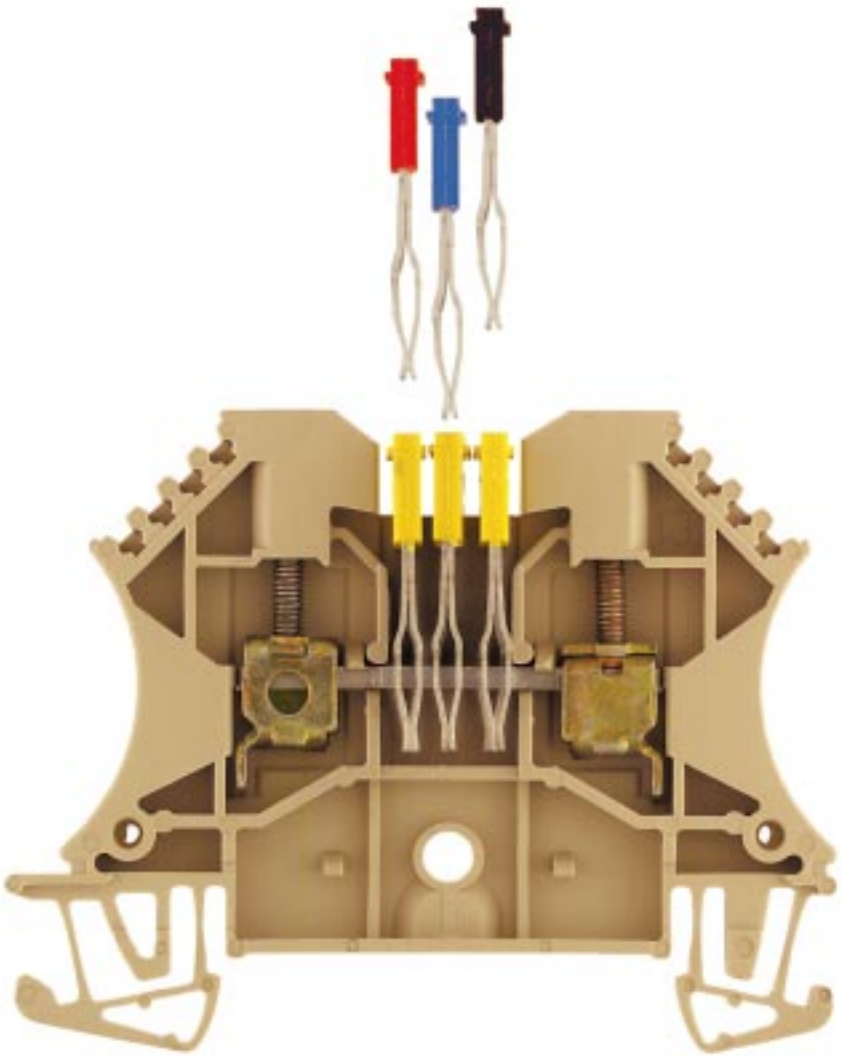
Pluggable cross-connection system for bestselling WDU 2.5

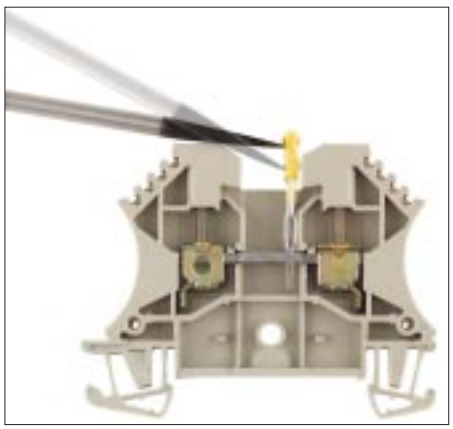
Cat. No. 102000

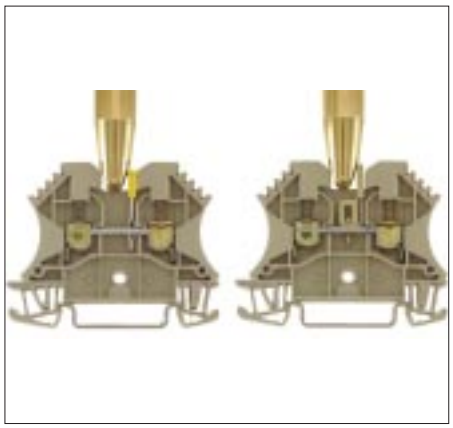
Blue, black and red cross connects available on request



40%

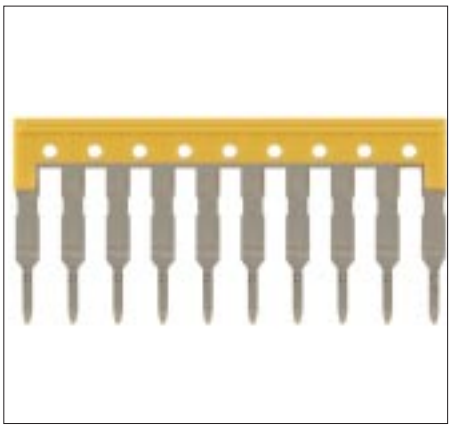
of all terminal blocks are cross-connected. Considerable assembly time saving





Touch safe protection according to VBG 4 and VDE 0106, Part 100 /3.83 without additional parts

No end plates or partitions for neighbouring cross-connections up to 400 V



Contact elements can be removed by hand, so that several terminals can be skipped

Feed-through terminal blocks

	WDU 2.5N WDU 2.5N/10	WDU 1.5/ZZ	WDU 2.5/1.5/ZR	WDU 2.5 WDU 2.5/10
Dimensions				
Width/length/height (mm) with TS 32 ⊏⎽⊐	–	–	–	–
Width/length/height (mm) with TS 35 x 7.5 ⊐⎽⊏	5/44/37.5	5/60/47	5/60/47	5/60/47
Insulation stripping length/clamping screw	10 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6	10/7 mm/M 2.5/3.5 x 0.6	10 mm/M 2.5/3.5 x 0.6
VDE rated data. 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/rated current/rated cross-section	500 V/24 A/2.5 mm²	500 V/17.5 A/1.5 mm²	500 V/24/17.5 A/2.5/1.5 mm²**	800 V/24 A/2.5 mm²
Rated impulse voltage/pollution severity	6 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Tightening torque range Nm	0.4...0.7	0.4...0.7	0.4...0.7	0.4...0.8
Torque setting with DMS2 electric screwdriver	1	1	1	1
Clampable conductor				
"e" solid H07V-U mm²	0.5…4	0.5…2.5	0.5…4/2.5**	0.5…4
"m" stranded H07V-R mm²	1.5…4	1.5…2.5	1.5…4/2.5**	1.5…4
"f" flexible H07V-K mm²	0.5…4	0.5…1.5	0.5…4/1.5**	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…1.5	0.5…2.5/1.5**	0.5…2.5
"f" flexible H07V-K and AEH + plastic insul. collar mm²	0.5…2.5	0.5…1.5	0.5…2.5/1.5**	0.5…2.5
Gauge pin to 947-1 size	A 3	A 1	A 3/A 1**	A 3
Continuous current rating of cross-connection size 2–5 poles A	26	35	35	35
Continuous current rating of cross-connection size 6–10 poles A	26	35	35	35
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/30 A/22…12 AWG	300 V/25 A/22…14 AWG	300 V/20/15 A/22…12 AWG	600 V/25 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/20 A/26…12 AWG	300 V/10 A/26…14 AWG	300 V/20/15 A/26…12/14 AWG	600 V/20 A/26…12 AWG

Ordering data	Version	⊐⎽⊏	Cat.No.	Qty.	⊐⎽⊏	Cat.No.	Qty.	⊐⎽⊏	Cat.No.	Qty.	⊐⎽⊏	Cat.No.	Qty.
	Wemid	For WQV	**102370**	100		**103140**	100		**102470**	100		**102000**	100
	blue Wemid	For WQV	**102378**	100		**103148**	100		**102478**	100		**102008**	100
	orange PA	For WQV	**102376**	100								**102006**	100
	10 Terminal blocks marked 1–9 Wemid	For WQV	**102490**	10								**102070**	10
	10 Terminal blocks unmarked* Wemid	For WQV	**102480**	10								**102080**	10
	Wemid	For ZQV	**104080**	100									
	blue Wemid	For ZQV	104088	100									

End plate/partition		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	WAP(thickness 1.5 mm) Wemid	WAP-WDU 2.5N	**106000**	50	WAP 2.5-10	**105000**	50	WAP 2.5-10	**105000**	50	WAP 2.5-10	**105000**	50
	blue Wemid	WAP-WDU 2.5N	**106008**	50	WAP 2.5-10	**105008**	50	WAP 2.5-10	**105008**	50	WAP 2.5-10	**105008**	50
	WTW Wemid	TW (1.5)	**019186**	20	WTW 2.5-10	**105010**	20	WTW 2.5-10	**105010**	20	WTW 2.5-10	**105010**	20
	blue Wemid				WTW 2.5-10	**105018**	20	WTW 2.5-10	**105018**	20	WTW 2.5-10	**105018**	20

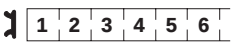
Cross-connection		ZQV 2.5N		WQV 2.5							ZQV 2.5N		WQV 2.5	
WQV	WQB B/24	screen lug LS 2.8	2 poles	**169380**	60	**105366**	50	WQV 2.5/2	**105366**	50	**169380**	60	**105366**	50
			3 poles	**169381**	60	**105376**	50	WQV 2.5/3	**105376**	50	**169381**	60	**105376**	50
			4 poles	**169382**	60	**105386**	50	WQV 2.5/4	**105386**	50	**169382**	60	**105386**	50
			10 poles	**169388**	20	**105446**	20	WQV 2.5/10	**105446**	20	**169388**	20	**105446**	20
			32 poles			**157760**	10	WQV 2.5/32	**157760**	10				
			50 poles	**169389**	5						**169389**	5		
				WQB B/24		**157906**	20	WQB B/24	**157906**	20	WQB B/24		**157906**	20
								LS 2.8	**105640**	50	LS 2.8		**105640**	50
Notching tool WAW 1 for WQV				WAW 1		**900450**	–	WAW 1	**900450**	–	WAW 1		**900450**	–

Test adapter														
WTA	TA 1		WTA 1		**163229**	50	WTA 2	**163232**	50	WTA 2	**163232**	50	WTA 2	**163232**	50
			WTA 1/ZA		**163230**	50	WTA 2/ZA	**163233**	50	WTA 2/ZA	**163233**	50	WTA 2/ZA	**163233**	50
			WTA 1/10		**163231**	5	WTA 2/10	**163234**	5	WTA 2/10	**163234**	5	WTA 2/10	**163234**	5
		Strain relief	ZE 1		**163215**	50	ZE 1	**163215**	50	ZE 1	**163215**	50	ZE 1	**163215**	50

Test plug/socket														
PS 2.3	StB 8.5		PS 2.3 (ø 2.3)		**018040**	20	PS 2.3 (ø 2.3)	**018040**	20	PS 2.3 (ø 2.3)	**018040**	20	PS 2.3 (ø 2.3)	**018040**	20
			PS 2.0 (ø 2.0)		**029380**	20	PS 2.0 (ø 2.0)	**029380**	20	PS 2.0 (ø 2.0)	**029380**	20	PS 2.0 (ø 2.0)	**029380**	20
			StB 8.5 (ø 2.3)		**021570**	50	StB 8.5 (ø 2.3)	**021570**	50	StB 8.5 (ø 2.3)	**021570**	50	StB 8.5 (ø 2.3)	**021570**	50
			StB 8.5 (ø 2.0)		**126980**	50	StB 8.5 (ø 2.0)	**126980**	50	StB 8.5 (ø 2.0)	**126980**	50	StB 8.5 (ø 2.0)	**126980**	50

Cover														
WAD with Symbol		WAD 4		**107200**	50						WAD 5		**105346**	50
WAD white for self-labelling		WAD 4 white		**107210**	50						WAD 5 white		**105606**	50

Group marking														
T 5	WGB										WGB 5		**105076**	50
		T 5		**034850**	100	T 5	**034850**	100	T 5	**034850**	100	T 5	**034850**	100
Tag carrier		SF 10		**033240**	1000	SF 10	**033240**	1000	SF 10	**033240**	100	SF 10	**033240**	1000
for S 10-markers		SG 10		**033250**	1000	SG 10	**033250**	1000	SG 10	**033250**	1000	SG 10	**033250**	1000

Marking tags	**Print**													
	Consecutive horizontal	FW 5		**047346**	–	FW 5	**047346**	–	FW 5	**047346**	–	FW 5	**047346**	–
	Consecutive vertical	FS 5		**047356**	–	FS 5	**047356**	–	FS 5	**047356**	–	FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* with unprinted "dekafix" marking strips

** Twin connection ¹) PA66

WDK 2.5
WDK 2.5/10

400 V

–

5/69/63

10 mm/M 2.5/3.5 x 0.6

400 V/24 A/2.5 mm²

6 kV/3

0.4...0.7

1

0.5…4

1.5…4

0.5…2.5

0.5…2.5

0.5…2.5

A 3

35

35

600 V/20 A/22…12 AWG

300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	102150	100
	102158	100
	102156	100
	102560	10
	102570	10

Type	Cat.No.	Qty.
WAP	**105910**	20
WAP	**105918**	20
WTW	**105880**	20
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
WQV 2.5/32	**157760**	10
WQB A/24	**157900**	20
LS 2.8	**105640**	50
WAW 1	**900450**	–
TA 1	**053586**	20
AD 3	**048540**	–
HP 3	**048576**	20
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WDK 2.5

800 V

–

6/69/63

10 mm/M 2.5/3.5 x 0.6

800 V/24 A/2.5 mm²

8 kV/3

0.4...0.7

1

0.5…4

1.5…4

0.5…2.5

0.5…2.5

0.5…2.5

A 3

35

35

	Cat.No.	Qty.
	102910	100

Type	Cat.No.	Qty.
WAP	**105910**	20
WAP	**105918**	20
WTW	**105880**	20
Q 2	**036900**	50
Q 3	**036910**	50
Q 4	**036920**	50
Q 10	**036930**	20
LS 2.8	**105640**	50
TA 1	**053586**	20
AD 3	**048540**	–
HP 3	**048576**	20
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

* split current bar

WDK 2.5 V

–

5/69/63

10 mm/M 2.5/3.5 x 0.6

400 V/24 A/2.5 mm²

6 kV/3

0.4...0.7

1

0.5…4

1.5…4

0.5…2.5

0.5…2.5

0.5…2.5

A 3

35

35

600 V/20 A/22…12 AWG

300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	102230	100

Type	Cat.No.	Qty.
WAP	**105910**	20
WTW	**105880**	20
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
WQV 2.5/32	**157760**	10
WQB A/24	**157900**	20
LS 2.8	**105640**	50
WAW 1	**900450**	–
TA 1	**053586**	20
AD 3	**048540**	–
HP 3	**048576**	20
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

** matching contour frame

WDK 2.5 DU-PE

–

5/69/63

10 mm/M 2.5/3.5 x 0.6

400 V/-/24 A/-/2.5 mm²

6 kV/3

0.4...0.7

1

0.5…4

1.5…4

0.5…2.5

0.5…2.5

0.5…2.5

A 3

35/-

35/-

300 V/20 A/22…12 AWG***

300 V/10 A/26…12 AWG***

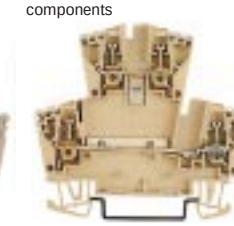
	Cat.No.	Qty.
	103640	100
lower connection range marked green-yellow		

Type	Cat.No.	Qty.
WAP	**105910**	20
WTW	**105880**	20
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
WQV 2.5/32	**157760**	10
WQB A/24	**157900**	20
WAW 1	**900450**	–
TA 1	**053586**	20
AD 3	**048540**	–
HP 3	**048576**	20
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

*** is applied for

WDK 2.5 E
WDK 2.5 EGET.SCH.

Terminal blocks for electrical components



Modular terminals with electronic components, see from page 1/112

–

5/69/63

10 mm/M 2.5/3.5 x 0.6

-/-/2.5 mm²

-/-

0.4...0.7

1

0.5…4

1.5…4

0.5…2.5

0.5…2.5

0.5…2.5

A 3

-

-

-

-

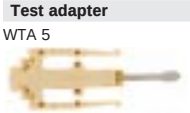
	Cat.No.	Qty.
	102320	100
	102310*	100
RA	**209568****	100

Type	Cat.No.	Qty.
WAP	**105910**	20
WAP	**105918**	20
WTW	**105880**	20
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
WQV 2.5/32	**157760**	10
WQB A/24	**157900**	20
LS 2.8	**105640**	50
WAW 1	**900450**	–
TA 1	**053586**	20
AD 3	**048540**	–
HP 3	**048576**	20
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

Feed-through terminal blocks

	WDU 4 WDU 4/10	WMA 4/5 WMA 4/4	WDU 6 WDU 6/10	WDU 10
Dimensions				
Width/length/height (mm) with TS 32 ⊏⎽⊐	–	–	–	–
Width/length/height (mm) with TS 35 x 7.5 ⊓⎽⊓	6/60/47	60/60/47	8/60/47	10/60/47
Insulation stripping length/clamping screw	10 mm/M 3/3.5 x 0.6	10 mm/M 3/3.5 x 0.6	12 mm/M 3.5/4.0 x 0.8	12 mm/M 4/5.5 x 1.0
VDE rated data. 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/rated current/rated cross-section	800 V/32 A/4 mm²	1000 V/32 A/4 mm²	800 V/41 A/6 mm²	1000 V/57 A/10 mm²
Rated impulse voltage/pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Tightening torque range Nm	0.5...1.0	0.5...1.0	0.8...1.6	1.2...2.4
Torque setting with DMS2 electric screwdriver	2	2	3	4
Clampable conductor				
"e" solid H07V-U mm²	0.5…6	0.5…6	0.5…10	1.5…16
"m" stranded H07V-R mm²	1.5…6	1.5…6	1.5…10	1.5…16
"f" flexible H07V-K mm²	0.5…6	0.5…6	0.5…10	1.5…16
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…4	0.5…4	0.5…6	1.5…16
"f" flexible H07V-K and AEH with plastic ins. collar mm²	0.5…4	0.5…4	0.5…6	1.5…16
Gauge pin to 947-1 size	A 4	A 4	A 5	B 6
Cont. current rating of cross-connection 2-poles A	46	46	63	85
Cont. current rating of cross-connection size multipole A	46	46	63	63
UL/CSA rated data				
Voltage/current/conductor size UL	600 V/35 A/22…10 AWG	600 V/35 A/22…10 AWG	600 V/45 A/20…8 AWG	600 V/65 A/16…6 AWG
Voltage/current/conductor size CSA	600 V/35 A/26…10 AWG	600 V/35 A/26…10 AWG	600 V/45 A/20…8 AWG	600 V/65 A/16…6 AWG

Ordering data Version	⊓⎽⊓ Cat.No.	Qty.	⊓⎽⊓ Cat.No.	Qty.	⊓⎽⊓ Cat.No.	Qty.	⊓⎽⊓ Cat.No.	Qty.
Wemid	**102010**	100			**102020**	50	**102030**	50
blue Wemid	**102018**	100			**102028**	50	**102038**	50
10 Terminal blocks marked 1–9 Wemid	**102090**	10			**102140**	10		
10 Terminal blocks unmarked* Wemid	**102100**	10			**102130**	10		
Motor connection block (L1. L2. L3. PE) Wemid			**103400**	20				
Motor connection block (L1. L2. L3. N. PE) Wemid			**103380**	20				

End plate/partition	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
WAP (thickness 1.5 mm) Wemid	WAP 2.5-10	**105000**	50	WAP 2.5-10	**105000**	50	WAP 2.5-10	**105000**	50	WAP 2.5-10	**105000**	50
blue Wemid	WAP 2.5-10	**105008**	50	WAP 2.5-10	**105008**	50	WAP 2.5-10	**105008**	50	WAP 2.5-10	**105008**	50
WTW Wemid	WTW 2.5-10	**105010**	20	WTW 2.5-10	**105010**	20	WTW 2.5-10	**105010**	20	WTW 2.5-10	**105010**	20
blue Wemid	WTW 2.5-10	**105018**	20	WTW 2.5-10	**105018**	20	WTW 2.5-10	**105018**	20	WTW 2.5-10	**105018**	20
Cross-connection												
WQV screen lug LS 2.8	WQV 4/2	**105196**	50	WQV 4/2	**105196**	50	WQV 6/2	**105236**	50	WQV 10/2	**105256**	50
	WQV 4/3	**105456**	50	WQV 4/3	**105456**	50	WQV 6/3	**105476**	50	WQV 10/3	**105496**	50
	WQV 4/4	**105466**	50	WQV 4/4	**105466**	50	WQV 6/4	**105486**	50	WQV 10/4	**105506**	50
	WQV 4/10	**105206**	20	WQV 4/10	**105206**	20	WQV 6/10	**105226**	20	WQV 10/10	**105246**	20
	LS 2.8	**105640**	50	LS 2.8	**105640**	50	LS 2.8	**105640**	50	LS 2.8	**105640**	50
Notching tool WAW 1 for WQV	WAW 1	**900450**	–	WAW 1	**900450**	–	WAW 1	**900450**	–	WAW 1	**900450**	–
Test adapter												
WTA 5 WTA 3	WTA 3	**163235**	50	WTA 3	**163235**	50						
 (Strain relief.)	WTA 3/ZA	**163236**	50	WTA 3/ZA	**163236**	50	WTA 5/1	**105126**	25	WTA 5/1	**105126**	25
	WTA 3/10	**163237**	5	WTA 3/10	**163237**	5						
	ZE 1	**163215**	50	ZE 1	**163215**	50						
Test plug/socket												
PS 2.3 StB 8.5	PS 2.3 (ø 2.3)	**018040**	20	PS 2.3 (ø 2.3)	**018040**	20	PS 2.3 (ø 2.3)	**018040**	20	PS 2.3 (ø 2.3)	**018040**	20
							PS 4 (ø 4)	**029960**	20	PS 4 (ø 4)	**029960**	20
	StB 8.5 (ø 2.3)	**028060**	50	StB 8.5 (ø 2.3)	**028060**	50	StB 8.5 (ø 2.3)	**028060**	50	StB 8.5 (ø 2.3)	**028060**	50
							StB 14 (ø 4)	**016990**	50	StB 14 (ø 4)	**016990**	50
Cover												
WAD with Symbol	WAD 5	**105346**	50	WAD 5	**105346**	50	WAD 8	**105356**	50	WAD 8	**105356**	50
WAD white for self-labelling	WAD 5 white	**105606**	50	WAD 5 white	**105606**	50	WAD 8 white	**105616**	50	WAD 8 white	**105616**	50
Group marking												
T 5 WGB	WGB 5	**105076**	50	WGB 5	**105076**	50	WGB 8	**105096**	50	WGB 8	**105096**	50
	T 5	**034850**	100	T 5	**034850**	100	T 5	**034850**	100	T 5	**034850**	100
Tag carrier	SF 10	**033240**	1000	SF 10	**033240**	1000	SF 10	**033240**	1000	SF 10	**033240**	1000
for S 10 markers	SG 10	**033250**	1000	SG 10	**033250**	1000	SG 10	**033250**	1000	SG 10	**033250**	1000
Marking tabs **Print**												
Consecutive horizontal	FW 6	**046866**	–	FW 6	**046866**	–	FW 8	**127696**	–	FW 5	**047346**	–
Consecutive vertical	FS 6	**047356**	–	FS 6	**047356**	–	FS 8	**128966**	–	FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* With unprinted"dekafix" marking stripes

WDU 16N

–
12/60/47
12 mm/M 4/5.5 x 1.0

400 V/76 A/16 mm²
6 kV/3

1.2...2.4
4

1.5…16
1.5…25
1.5…16
1.5…16
1.5…16
B 7
76
57 (3 + 4 poles)

-
-

	Cat.No.	Qty.
	103610	50
	103618	50

Type	Cat.No.	Qty.
WTW EX	**105880**	20

WQV 16N/2	**163656**	50
WQV 16N/3	**163657**	50
WQV 16N/4	**163658**	50
WAW 1	**900450**	–
PS 2.3 (ø 2.3)	**018040**	20
PS 4 (ø 4)	**029960**	20
StB 8.5 (ø 2.3)	**028060**	50
StB 14 (ø 4)	**016990**	50
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WDU 16

–
12/60/63
16 mm/M 5/5.5 x 1.0

1000 V/76 A/16 mm²
8 kV/3

2.0...4.0
–

1.5…16
1.5…25
1.5…25
1.5…16
1.5…16
B 7
85
63

600 V/70 A/14…6 AWG
600 V/65 A/14…6 AWG

	Cat.No.	Qty.
	102040	50
	102048	50

Type	Cat.No.	Qty.
WAP 16–35	**105010**	20
WAP 16–35	**105018**	20
WAW 1	**900450**	–
PS 4 (ø 4)	**029960**	20
StB 16 (ø 4)	**014020**	50
WAD 12	**105596**	50
WAD 12 white	**105626**	50
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WQV 16/2	**105326**	50
WQV 16/3	**105516**	50
WQV 16/4	**105526**	50
WQV 16/10	**105336**	10
WQV 16/2 blue	**105328**	50

WDU 16/ZA*

–
12/60/63
16 mm/M 5/5.5 x 1.0

1000 V/76 A/16 mm²
8 kV/3

2.0...4.0
–

1.5…16
1.5…25
1.5…25
1.5…16
1.5…16
B 7
85
63

600 V/70 A/14…6 AWG
600 V/65 A/14…6 AWG

	Cat.No.	Qty.
	102890	50
	102898	50

Type	Cat.No.	Qty.
WAP 16–35	**105010**	20
WAP 16–35	**105018**	20
WAW 1	**900450**	–
PS 4 (ø 4)	**029960**	20
StB 16 (ø 4)	**014020**	50
WAD 12	**105596**	50
WAD 12 white	**105626**	50
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WQV 16/2	**105236**	50
WQV 16/3	**105516**	50
WQV 16/4	**105526**	50
WQV 16/10	**105336**	10
WQV 16/2 blue	**105328**	50

WDU 35

–
16/60/63
18 mm/M 6/5.5 x 1.0

1000 V/125 A/35 mm²
8 kV/3

2.5...5.0
–

2.5...16
2.5…50
2.5…35
2.5…35
2.5…35
B 9
138
112

600 V/115 A/12…2 AWG
600 V/120 A/12…2 AWG

	Cat.No.	Qty.
	102050	25
	102058	25
(hexagon socket)	**102060**	25
(hexagon socket)	**102068**	25

Type	Cat.No.	Qty.
WAP 16–35	**105010**	20
WAP 16–35	**105018**	20
WAW 1	**900450**	–
PS 4 (ø 4)	**029960**	20
StB 16 (ø 4)	**014020**	50
WAD 12	**105596**	50
WAD 12 white	**105626**	50
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WQV 35/2	**105306**	50
WQV 35/3	**105536**	50
WQV 35/4	**105546**	50
WQV 35/10	**105316**	10
WQV 35/2 blue	**105308**	50

WDU 35/ZA*

–
16/60/63
18 mm/M 6/5.5 x 1.0

1000 V/125 A/35 mm²
8 kV/3

2.5...5.0
–

2.5...16
2.5…50
2.5…35
2.5…35
2.5…35
B 9
168 A/50 mm²
138
112

600 V/115 A/12…2 AWG
600 V/120 A/12…2 AWG

	Cat.No.	Qty.
	102880	25
	102888	25
(hexagon socket)	**102900**	25
(hexagon socket)	**102908**	25

Type	Cat.No.	Qty.
WAP 16–35	**105010**	20
WAP 16–35	**105018**	20
WAW 1	**900450**	–
PS 4 (ø 4)	**029960**	20
StB 16 (ø 4)	**014020**	50
WAD 12	**105596**	50
WAD 12 white	**105626**	50
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WQV 35/2	**105306**	50
WQV 35/3	**105536**	50
WQV 35/4	**105546**	50
WQV 35/10	**105316**	10
WQV 35/2 blue	**105308**	50

WDU 70N

20.5/75/93.5
20.5/75/86
22 mm/M 8/S 6 DIN 6911

1000 V/192 A/70 mm²
8 kV/3

6.0...12
–

10...16
10...95
10...70
10...70
10...70
B 11
207 A/95 mm²
192
192 (3pole)

600 V/175 A/6...2/0 AWG
600 V/205 A/8...2/0 AWG

Cat.No.	Cat.No.	Qty.
951219	**951222**	10
951242	**951243**	10

(WDU 70N only with hex.socket)

Type	Cat.No.	Qty.

WQV 70N/2	**951224**	5
WQV 70N/3	**951225**	5

Auxil./control conduc. term

WZAD 70N	**951228**	10
PS 4 (ø 4)	**029960**	20

insertable in screw head of connection system

WAD 20	**951226**	20
WAD 20 white	**951227**	20
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

* With spigots

WDU 70/95

Large size conductors no longer have to be inserted into the clamping point with force; they can simply be placed in the terminal block.

For each terminal type, terminal block variants consisting of three, four and five-pole terminal blocks are available in addition to the individual terminals. All blocks are permanently screwed together for additional rigidity.

Slots provided in the underside of the terminal enable direct fitting. Terminal blocks can be screwed directly to mounting plates with 25 mm pitch.

Further advantages are:

- Constant force transmission by self-adjusting connection resistance
- Random wiring direction
- Safe from finger-touch (VGB 4), even with cross-connection fitted
- Good distortion resistance

Open terminal cover, remove screw terminal unit

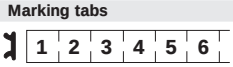
Place conductor in terminal, replace screw terminal unit

Close terminal cover, tighten screw with hex key

Dimensions			
Width/length/height (mm)	with TS 32 ⊏	–	27/132/117
Width/length/height (mm)	with TS 35 x 7.5 ⊐	27/132/108	–
Insul. stripping length/clamping screw/setting acc. DIN 6911		30 mm/M 8/S 6	30 mm/M 8/S 6
VDE rated data. 0611 Part 1/8.92/IEC 947-7-1			
Rated voltage/rated current/rated cross-section		1000 V/232 A/95 mm²	1000 V/232 A/95 mm²
Rated impulse voltage/pollution severity		8 kV/3	8 kV/3
Further technical data			
Tightening torque range	Nm	6...12	6...12
Torque setting with DMS2 electric screwdriver		–	–
Clampable conductor			
"e" solid H07V-U	mm²	16	16
"m" stranded H07V-R	mm²	16…120	16…120
"f" flexible H07V-K	mm²	16…95	16…95
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	–	–
"f" flexible H07V-K and AEH with Plastic.Col.	mm²	–	–
Gauge pin to 947-1	size	B 12	B 12
Cont. current rating of cross-connection	2 poles A	207	207
Cont. current rating of cross-connection	multipole A	(3) 207	(3) 207
UL/CSA rated data			
Voltage/current/conductor size	UL	600 V/175 A/6…2/0 AWG	600 V/175 A/6…2/0 AWG
Voltage/current/conductor size	CSA	600 V/205 A/6…2/0 AWG	600 V/205 A/6…2/0 AWG

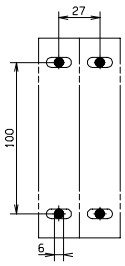
Ordering data	Version	⊐ Cat.No.	Qty.	⊏ Cat.No.	Qty.
hexagon socket 6 mm	Wemid	**102460**	10	**103150**	10
hexagon socket 6 mm	blue Wemid	**102468**	10	**103158**	10
hexagon socket 6 mm	green Wemid	**102465**	10	**103155**	10
hexagon socket 6 mm	Terminal block* 3 poles Wemid				
hexagon socket 6 mm	Terminal block* 4 poles Wemid				
hexagon socket 6 mm	Terminal block* 5 poles Wemid				
Mains terminal block 3x beige. 1x blue. 1x green Wemid					

Cross-connection	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	WQV 70/2	**106350**	5	WQV 70/2	**106350**	5
	WQV 70/3	**106360**	5	WQV 70/3	**106360**	5
Auxiliary/control conductor terminal						
	WZAD 70	**106600**	10	WZAD 70	**106600**	10
Cover						
yellow	WAD 27 with warning tag	**106286**	10	WAD 27 with warning tag	**106286**	10
white	WAD 27 no warning tag	**106296**	10	WAD 27 no warning tag	**106296**	10
Test plug						
	PS 4 Insertable in screw head of connection system	**029960**	20	PS 4 Insertable in screw head of connection system	**029960**	20
Fixing screw						
for direct assembly	M 6x16	**106370**	20			
Hexagon key						
	hex. key 6 mm to DIN 6911	**040790**	–	hex. key 6 mm to DIN 6911	**040790**	–
Screwdriver for direct assembly 1 x 5.5 x 125						
	SD	**903709**	–			

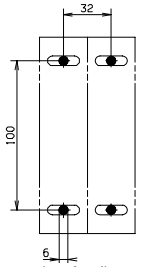
Marking tabs	**Print**				
	Consecutive horizontal	FW 5	**047346**	–	FW 5 **047346** –
	Consecutive vertical	FS 5	**047356**	–	FS 5 **047356** –

Mounting rails, brackets, additional marking material and accessories

WDU 120/150



Template for direct mounting



Template for direct mounting

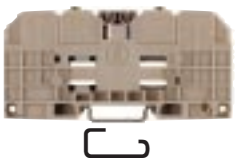
–				–				32/132/127				–			
81/132/108 (triple block)*				32/132/118				–				96/132/118 (triple block)*			
30 mm/M 8/S 6				35 mm/M 10/S 6				35 mm/M 10/S 6				35 mm/M 10/S 6			
1000 V/192 A/70 mm²				1000 V/269 A/120 mm²				1000 V/269 A/120 mm²				1000 V/269 A/120 mm²			
8 kV/3				8 kV/3				8 kV/3				8 kV/3			
6...12				10...20				10...20				10...20			
–				–				–				–			
16				–				–				–			
16…120				35…150				35…150				35…150			
16…95				35…150				35…150				35…150			
–				–				–				–			
–				–				–				–			
B 12				B 13				B 13				B 13			
207				292				292				292			
(3) 207				(3) 292				(3) 292				(3) 292			
600 V/175 A/6…2/0 AWG				600 V/225 A/2…MCM 250 AWG				600 V/225 A/2…MCM 250 AWG				600 V/225 A/2…MCM 250 AWG			
600 V/205 A/6…2/0 AWG				600 V/285 A/2…MCM 250 AWG				600 V/285 A/2…MCM 250 AWG				600 V/285 A/2…MCM 250 AWG			
⌐¬	Cat.No..	Qty.		⌐¬	Cat.No.	Qty.		⊏	Cat.No.	Qty.			Cat.No.	Qty.	
					102450	10			**103160**	10			**102640***	3	
					102458	10			**103168**	10			**102650***	2	
					102455	10			**103165**	10			**102660***	2	
	102670*	4											**103240***	2	
	102680*	3													
	102690*	2													
	103230*	2													
Type	Cat.No.	Qty.		Type	Cat.No.	Qty.		Type	Cat.No.	Qty.		Type	Cat.No.	Qty.	
WQV 70/2	**106350**	5		WQV 120/2	**106330**	5		WQV 120/2	**106330**	5		WQV 120/2	**106330**	5	
WQV 70/3	**106360**	5		WQV 120/3	**106340**	5		WQV 120/3	**106340**	5		WQV 120/3	**106340**	5	
WZAD 70	**106600**	10		WZAD 120	**106610**	10		WZAD 120	**106610**	10		WZAD 120	**106610**	10	
WAD 27				WAD 27				WAD 27				WAD 27			
w. warning tag	**106286**	10		w. warning tag	**106286**	10		w. warning tag	**106286**	10		w. warning tag	**106286**	10	
WAD 27				WAD 27				WAD 27				WAD 27			
no warning tag	**106296**	10		no warning tag	**106296**	10		no warning tag	**106296**	10		no warning tag	**106296**	10	
PS 4	**029960**	20		PS 4	**029960**	20		PS 4	**029960**	20		PS 4	**029960**	20	
Insertable in screw head of connection system				Insertable in screw head of connection system				Insertable in screw head of connection system				Insertable in screw head of connection system			
M 6x16	**106370**	20		M 6x16	**106370**	20						M 6x16	**106370**	20	
Hex. key	**040790**	–		Hex. key	**040790**	–		Hex. key	**040790**	–		Hex. key	**040790**	–	
6 mm acc DIN 6911				6 mm acc DIN 6911				6 mm acc DIN 6911				6 mm acc DIN 6911			
SD	**903709**	–		SD	**903709**	–						SD	**903709**	–	
FW 5	**047346**	–		FW 5	**047346**	–		FW 5	**047346**	–		FW 5	**047346**	–	
FS 5	**047356**	–		FS 5	**047356**	–		FS 5	**047356**	–		FS 5	**047356**	–	

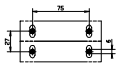
* Terminal block for direct assembly only

Tab connection terminals

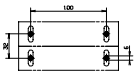
WFF 35

WFF 70





Template for direct mounting



Template for direct mounting

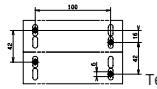
Dimensions															
Width/length/height (mm)		27/107/54				27/107/62.5				32/132/63				32/132/71.5	
Width/length/height (mm) with WAH covers		27/136/60				27/136/68				32/179/71.5				32/179/80	
Bolt size	M	6				6				8				8	
VDE rated data. 0611 Part 1/8.92/IEC 947-7-1															
Rated voltage/rated current/rated cross-section		1000 V/125 A/35 mm^2				1000 V/125 A/35 mm^2				1000 V/192 A/70 mm^2				1000 V/192 A/70 mm^2	
Rated impulse voltage/pollution severity		8 kV/3				8 kV/3				8 kV/3				8 kV/3	
Further technical data															
Tightening torque range	Nm	3.0...6.0				3.0...6.0				6.0...12				6.0...12	
Clampable conductor															
Cable lug DIN 46 235	mm^2	6…25				6…25				16…70				16…70	
Cable lug DIN 46 234	mm^2	2.5…50				2.5…50				2.5…120				2.5…120	
2 x Cable lug DIN 46 235	mm^2	6…25				6…25				16…70				16…70	
2 x Cable lug DIN 46 234	mm^2	2.5…35				2.5…35				2.5…70				2.5…70	
Strips	mm	3 x 13 x 0.5				3 x 13 x 0.5				2 x 15.5 x 0.8	4 x 20 x 1			2 x 15.5 x 0.8	4 x 20 x 1
Strips	mm	6 x 13 x 0.5				6 x 13 x 0.5				4 x 15.5 x 0.8				4 x 15.5 x 0.8	
Strips	mm	2 x 15.5 x 0.8				2 x 15.5 x 0.8				6 x 15.5 x 0.8				6 x 15.5 x 0.8	
Gauge for flat connections to EN 50043	size	C 4				C 4				C 6				C 6	
Cont. current rating of Cross-connection 2 poles	A	135				135				207				207	
Cont. current rating of Cross-connection 3 poles	A	135				135				207				207	
UL/CSA rated data															
Voltage/current/conductor size	UL	600 V/115 A/14…2 AWG				600 V/115 A/14…2 AWG				600 V/175 A/14…2/0 AWG				600 V/175 A/14…2/0 AWG	
Voltage/current/conductor size	CSA	600 V/130 A/14…2 AWG				600 V/130 A/14…2 AWG				600 V/170 A/14…2/0 AWG				600 V/170 A/14…2/0 AWG	
Ordering data	Version		Cat.No.	Qty.			Cat.No.	Qty.			Cat.No.	Qty.			Cat.No.	Qty.
	Wemid		**102830**	10			**103170**	10			**102840**	10			**103180**	10
	blue Wemid		**102838**	10			**103178**	10			**102848**	10			**103188**	10
With covers	Wemid		**102930**	10							**102940**	10				
	Wemid															
Partition (thickness 2 mm)		Type	Cat.No.	Qty.		Type	Cat.No.	Qty.		Type	Cat.No.	Qty.		Type	Cat.No.	Qty.
		WTW WFF 35	**106710**	10		WTW WFF 35	**106710**	10		WTW WFF 70	**106720**	10		WTW WFF 70	**106720**	10
Cross-connection																
WQL		WQL 2/35	**106490**	5		WQL 2/35	**106490**	5		WQL 2/70	**106500**	5		WQL 2/70	**106500**	5
		WQL 3/35	**106540**	5		WQL 3/35	**106540**	5		WQL 3/70	**106550**	5		WQL 3/70	**106550**	5
auxiliary/ control conductor terminal																
		WZAF 35	**107050**	10		WZAF 35	**107050**	10		WZAF 70	**106620**	10		WZAF 70	**106620**	10
Cover																
	beige PA 66	WAH 35	**106446**	20		WAH 35	**106446**	20		WAH 70	**106456**	20		WAH 70	**106456**	20
	blue PA 66	WAH 35 BL	**106448**	20		WAH 35 BL	**106448**	20		WAH 70 BL	**106458**	20		WAH 70 BL	**106458**	20
	light green PA 66	WAH 35 HG	**106445**	20		WAH 35 HG	**106445**	20		WAH 70 HG	**106455**	20		WAH 70 HG	**106455**	20
		WAP*	**106970**	20		WAP*	**106970**	20		WAP*	**106980**	20		WAP*	**106980**	20
Warning sign																
	Yellow, Self-adhesive	WD 1	**156390**	5		WD 1	**156390**	5		WD 1	**156390**	5		WD 1	**156390**	5
	With lightning flash	Qty. = 5 cards with 6 labels				Qty. = 5 cards with 6 labels				Qty. = 5 cards with 6 labels				Qty. = 5 cards with 6 labels		
	Can be stuck on WAH only	on each				on each				each				each		
Fixing screw																
	For direct assembly	M 6 x 16	**106370**	20						M 6 x 16	**106370**	20				
	Screwdriver	SD	**902450**	–						SD	**902450**	–				
Cupal washers																
	For aluminium conductors	CPSB M 6	**015620**	50		CPSB M 6	**015620**	50		CPSB M 8	**015630**	50		CPSB M 8	**015630**	50
Marking tabs	**Print**															
1 2 3 4 5 6	Consecutive horizontal	FW 5	**047346**	–		FW 5	**047346**	–		FW 5	**047346**	–		FW 5	**047346**	–
	Consecutive vertical	FS 5	**047356**	–		FS 5	**047356**	–		FS 5	**047356**	–		FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* The WAP can be used only in conjunction with the WAH.
In the event that no conductor is connected, it guarantees shock prevention in the connection area.

WFF 70 and WFF 185 can accept voltages up to 2400V when tested to VDE 0115.

WFF 120



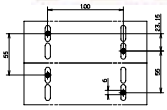
Template for direct mounting

42/132/72	42/132/81
42/230/81	42/230/89
10	10
1000 V/269 A/120 mm^2	1000 V/269 A/120 mm^2
8 kV/3	8 kV/3
10...20	10...20
16…150	16…150
6…150	6…150
16…120	16…120
6…120	6…120
2 x 20 x 1	2 x 20 x 1
6 x 20 x 1	6 x 20 x 1
5 x 24 x 1	5 x 24 x 1
C 8	C 8
292	292
292	292
600 V/310 A/10…MCM 250 AWG	600 V/310 A/10…MCM 250 AWG
600 V/310 A/10…MCM 250 AWG	600 V/310 A/10…MCM 250 AWG

Cat.No.	Qty.	Cat.No.	Qty.
102850	5	**103190**	5
102858	5	**103198**	5
102950	5		

Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
WTW WFF 120	**106730**	10	WTW WFF 120	**106730**	10
WQL 2/120	**106510**	5	WQL 2/120	**106510**	5
WQL 3/120	**106560**	5	WQL 3/120	**106560**	5
WZAF 120	**106630**	10	WZAF 120	**106630**	10
WAH 120	**106466**	20	WAH 120	**106466**	20
WAH 120 BL	**106468**	20	WAH 120 BL	**106468**	20
WAH 120 HG	**106465**	20	WAH 120 HG	**106465**	20
WAP*	**107300**	20	WAP*	**106980**	20
WD 1	**156390**	5	WD 1	**156390**	5
Qty. = 5 cards with 6 labels each			Qty. = 5 cards with 6 labels each		
M 6 x 16	**106370**	20			
SD	**902450**	–			
CPSB M 10	**015640**	50	CPSB M 10	**015640**	50
FW 5	**047346**	–	FW 5	**047346**	–
FS 5	**047356**	–	FS 5	**047356**	–

WFF 185
WFF 185 M 12 + M 16



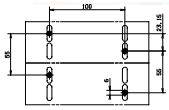
Template for direct mounting

55/163/78	55/163/86.5
55/287/91	55/287/99
12	12
1000 V/353 A/185 mm^2	1000 V/353 A/185 mm^2
8 kV/3	8 kV/3
14...31	14...31
25…240	25…240
10…240	10…240
25…185	25…185
10…185	10…185
2 x 24 x 1 10 x 24 x 1	2 x 24 x 1 10 x 24 x 1
2 x 32 x 1 6 x 32 x 1	2 x 32 x 1 6 x 32 x 1
3 x 35 x 1	3 x 35 x 1
C 11	C 11
382	382
382	382
600 V/380 A/8…MCM 500 AWG	600 V/380 A/8…MCM 500 AWG
600 V/360 A/8…MCM 500 AWG	600 V/360 A/8…MCM 500 AWG

Cat.No.	Qty.	Cat.No.	Qty.
102860	4	**103200**	4
102868	4	**103208**	4
102960	4		
(M12+M16) **102865**	4		

Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
WTW WFF 185	**106740**	10	WTW WFF 185	**106740**	10
WQL 2	**106520**	50	WQL 2	**106520**	50
WQL 3	**106570**	50	WQL 3	**106570**	50
WZAF 185	**106640**	10	WZAF 185	**106640**	10
WAH 185/300	**106476**	10	WAH 185/300	**106476**	10
WAH 185/300 BL	**106478**	10	WAH 185/300 BL	**106478**	10
WAH 185/300 HG	**106475**	10	WAH 185/300 HG	**106475**	10
WD 1	**156390**	5	WD 1	**156390**	5
Qty. = 5 cards with 6 labels each			Qty. = 5 cards with 6 labels each		
M 6 x 16	**106370**	20			
SD	**902450**	–			
CPSB M 12	**015650**	20	CPSB M 12	**015650**	20
FW 5	**047346**	–	FW 5	**047346**	–
FS 5	**047356**	–	FS 5	**047356**	–

WFF 300



Template for direct mounting

55/163/86	55/163/94.5
55/287/90	55/287/99
16	16
1000 V/520 A/300 mm^2	1000 V/520 A/300 mm^2
8 kV/3	8 kV/3
25...60	25...60
50…300	50…300
25…240	25…240
50…240	50…240
25…240	25…240
2 x 40 x 1 3 x 35 x 1	2 x 40 x 1 3 x 35 x 1
6 x 40 x 1 8 x 32 x 1	6 x 40 x 1 8 x 32 x 1
8 x 40 x 1	8 x 40 x 1
–	-
520	520
520	520
600 V/500 A/6…MCM 600 AWG	600 V/500 A/6…MCM 600 AWG
600 V/510 A/6…MCM 600 AWG	600 V/510 A/6…MCM 600 AWG

Cat.No.	Qty.	Cat.No.	Qty.
102870	4	**103210**	4
102878	4	**103218**	4
102970	4		

Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
WTW WFF 300	**106740**	10	WTW WFF 300	**106740**	10
WQL 2	**106530**	50	WQL 2	**106530**	50
WQL 3	**106580**	50	WQL 3	**106580**	50
WZAF 300	**106650**	10	WZAF 300	**106650**	10
WAH 185/300	**106476**	10	WAH 185/300	**106476**	10
WAH 185/300 BL	**106478**	10	WAH 185/300 BL	**106478**	10
WAH 185/300 HG	**106475**	10	WAH 185/300 HG	**106475**	10
WD 1	**156390**	5	WD 1	**156390**	5
Qty. = 5 cards with 6 labels each			Qty. = 5 cards with 6 labels each		
M 6 x 16	**106370**	20			
SD	**902450**	–			
CPSB M 16	**015650**	20	CPSB M 16	**015650**	20
FW 5	**046866**	–	FW 5	**046866**	
FS 5	**046876**	–	FS 5	**046876**	–

WFF 70 and WFF 185 can accept voltages up to 2400V when tested to VDE 0115.

Coloured terminals

	WDU 2.5	WDU 4	WTR 2.5	WSI 6
Dimensions				
Width/length/height (mm) With TS 32 ⊏⎓⊐				
Width/length/height (mm) With TS 35 x 7.5 ⎓	5/60/47	6/60/47	5/60/49	8/60/60
Insulation stripping length/clamping screw	10 mm/M 2.5/3.5 x 0.6	10 mm/M 3 /4.0 x 0.8	10 mm/M 2.5/3*/3.5 x 0.6	12 mm/M 3.5/4.0 x 0.8
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/rated current/rated cross-section	1000 V/24 A/2.5 mm²	1000 V/32 A /4 mm²	800 V/16 A**/1.5 mm²	500 V~/6.3 A**/6 mm²
Rated voltage/pollution severity	8 kV/3	8 kV/3	6 kV/3	6 kV/3
Further technical data (see product pages)				
UL/CSA rated data				
Voltage/current/conductor size UL	600 V/25 A/22…12 AWG	600 V/35 A/22…10 AWG	300 V/10 A/22…12 AWG	600 V/10 A/20…8 AWG
Voltage/current/conductor size CSA	600 V/20 A/26…12 AWG	600 V/35 A/26…10 AWG	300 V/10 A/26…12 AWG	300 V/10 A/20…8 AWG

Ordering data

Version	WDU 2.5 ⎓ Qty.	WDU 4 ⎓ Qty.	WTR 2.5 Without StB / With 2 StB Qty.	WSI 6 ⎓ Qty.
Wemid	**102000** 100	**102010** 100	**101110** / **101120** 100	**101100** 50
blue Wemid	**102008** 100	**102018** 100	**101118** / **101128** 100	**101108** 50
yellow Wemid	**102002** 100	**102012** 100	**101112** / **101122** 100	**101102** 50
green Wemid	**102009** 100	**102016** 100	**101113** / **101123** 100	**101103** 50
brown Wemid	**103771** 100	**103781** 100	**101117** / **101127** 100	**101107** 50
grey Wemid	**103772** 100	**103780** 100	**101115** / **101125** 100	**101105** 50
white Wemid	**103680** 100	**103670** 100	**101119** / **101129** 100	**101109** 50
orange PA	**102006** 100	**103676** 100	**101116** / **101126** 100	**101106** 50
red PA	**102004** 100	**102014** 100	**101114** / **101124** 100	**101104** 50
violet PA	**103770** 100	**103782** 100	**101940** / **101950** 100	**101960** 50
black PA	**102001** 100	**102011** 100	**101111** / **101121** 100	**101101** 50

End plate/partition

		WDU 2.5 Type / Cat.No. / Qty.	WDU 4 Type / Cat.No. / Qty.	WTR 2.5 Type / Cat.No. / Qty.	WSI 6 Type / Cat.No. / Qty.
WAP (thickness 1.5 mm)	Wemid	WAP 2.5-10 **105000** 50	WAP 2.5-10 **105000** 50	WAP 2.5-10 **105000** 50	WAP 2.5-10 **105000** 50
	blue Wemid	WAP 2.5-10 **105008** 50	WAP 2.5-10 **105008** 50	WAP 2.5-10 **105008** 50	WAP 2.5-10 **105008** 50
	yellow Wemid	WAP 2.5-10 **105002** 50	WAP 2.5-10 **105002** 50	WAP 2.5-10 **105002** 50	WAP 2.5-10 **105002** 50
	green Wemid	WAP 2.5-10 **107220** 50	WAP 2.5-10 **107220** 50	WAP 2.5-10 **107220** 50	WAP 2.5-10 **107220** 50
	brown Wemid	WAP 2.5-10 **105007** 50	WAP 2.5-10 **105007** 50	WAP 2.5-10 **105007** 50	WAP 2.5-10 **105007** 50
	grey Wemid	WAP 2.5-10 **105005** 50	WAP 2.5-10 **105005** 50	WAP 2.5-10 **105005** 50	WAP 2.5-10 **105005** 50
	white Wemid	WAP 2.5-10 **105009** 50	WAP 2.5-10 **105009** 50	WAP 2.5-10 **105009** 50	WAP 2.5-10 **105009** 50
	orange PA	WAP 2.5-10 **105006** 50	WAP 2.5-10 **105006** 50	WAP 2.5-10 **105006** 50	WAP 2.5-10 **105006** 50
	red PA	WAP 2.5-10 **105004** 50	WAP 2.5-10 **105004** 50	WAP 2.5-10 **105004** 50	WAP 2.5-10 **105004** 50
	violet PA	WAP 2.5-10 **107221** 50	WAP 2.5-10 **107221** 50	WAP 2.5-10 **107221** 50	WAP 2.5-10 **107221** 50
	black PA	WAP 2.5-10 **105001** 50	WAP 2.5-10 **105001** 50	WAP 2.5-10 **105001** 50	WAP 2.5-10 **105001** 50
WTW	Wemid	WTW 2.5-10 **105010** 20	WTW 2.5-10 **105010** 20	WTW 2.5-10 **105010** 20	WTW 2.5-10 **105010** 20
	blue Wemid	WTW 2.5-10 **105018** 20	WTW 2.5-10 **105018** 20	WTW 2.5-10 **105018** 20	WTW 2.5-10 **105018** 20

Cross-connection

	WDU 2.5 Cat.No. / Qty.	WDU 4 Cat.No. / Qty.	WTR 2.5 Cat.No. / Qty.	WSI 6 Cat.No. / Qty.
WQV WQB 8/24 Screen lug LS 2.8	WQV 2.5/2 **105366** 50	WQV 4/2 **105196** 50	QL 2 **021580** 100	QL 2 **019430** 50
	WQV 2.5/3 **105376** 50	WQV 4/3 **105456** 50	QL 3 **021590** 100	QL 3 **019440** 50
	WQV 2.5/4 **105386** 50	WQV 4/4 **105466** 50	QL 4 **021600** 50	QL 4 **019450** 50
	WQV 2.5/10 **105446** 20	WQV 4/10 **105206** 20	QL 10 **033800** 20	QL 10 **033830** 20
Notching tools:	WQB B/24 **157906** 20		BS-M 2.5 x 4.5 **106270** 100	BS-M 3 x 5 **105210** 100
WAW 1 for WQV	LS 2.8 **105640** 50	LS 2.8 **105640** 50		
WAW 2 to notch the punch-out in the terminal moulding	WAW 1 **900450** –	WAW 1 **900450** –	WAW 2 **900451** –	WAW 2 **900451** –

Test adaptor

	WDU 2.5 Cat.No. / Qty.	WDU 4 Cat.No. / Qty.	WTR 2.5	WSI 6
WTA TA 1	WTA 2 **163232** 50	WTA 3 **163235** 50		Fuses 5 x 20 and 5 x 25
	WTA 2/ZA **163233** 50	WTA 3/ZA **163236** 50		see under relevant section
	WTA 2/10 **163234** 5	WTA 3/10 **163237** 5		
Strain relief	ZE 1 **163215** 50	ZE 1 **163215** 50		

Test plug/socket

	WDU 2.5 Cat.No. / Qty.	WDU 4 Cat.No. / Qty.	WTR 2.5 Cat.No. / Qty.	WSI 6 Cat.No. / Qty.
PS 2.3 StB 8.5	PS 2.3 (ø 2.3) **018040** 20	PS 2.3 (ø 2.3) **018040** 20	PS 2.3 (ø 2.3) **018040** 20	PS 2.3 (ø 2.3) **018040** 20
	PS 2.0 (ø 2.0) **029380** 20			
	StB 8.5 (ø 2.3) **021570** 50	StB 8.5 (ø 2.3) **028060** 50		
Screwdriver SDIK for StB Cat.No.: **902493**	StB 8.5 (ø 2.0) **126980** 50			

Cover

	WDU 2.5 Cat.No. / Qty.	WDU 4 Cat.No. / Qty.	WTR 2.5	WSI 6
WAD With Symbol	WAD 5 **105346** 50	WAD 5 **105346** 50		
WAD white. for self-labelling	WAD 5 white **105606** 50	WAD 5 white **105606** 50		

Group marking

	WDU 2.5 Cat.No. / Qty.	WDU 4 Cat.No. / Qty.	WTR 2.5 Cat.No. / Qty.	WSI 6
T 5 WGB	WGB 5 **105076** 50	WGB 5 **105076** 50	WSD 2.5 −⊲⊲+ **105846** 25	
	T 5 **034850** 100	T 5 **034850** 100	WSD 2.5 +⊳⊳− **105856** 25	
Tag carrier	SF 10 **033240** 1000	SF 10 **033240** 1000	WSD 2.5[1] **105866** 25	
for S 10 markers	SG 10 **033250** 1000	SG 10 **033250** 1000	WSD 2.5[2] **105876** 25	

Marking tags

Print	WDU 2.5 Cat.No. / Qty.	WDU 4 Cat.No. / Qty.	WTR 2.5 Cat.No. / Qty.	WSI 6 Cat.No. / Qty.
1 2 3 4 5 6 Consecutive horizontal	FW 5 **047346** –	FW 6 **046866** –	FW 6 **046866** –	FW **047346** –
Consecutive vertical	FS 5 **047356** –	FS 6 **047356** –	FS 6 **047356** –	FS **047356** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* With StB 2.3
** Rated current limited to 1 A when using diode plug with soldered diode

[1]) With wire link
[2]) without additional components

Protective earth terminal blocks

	WPE 2.5N	WPE 1.5/ZZ	WPE 2.5	WPE 2.5/1.5/ZR
Dimensions				
Width/length/height (mm) with TS 35 x 7.5 ⊐	5/54/37.5	5/60/47	5/60/47	5/60/47
Insulation stripping length/clamping screw	10 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6	10 mm/M 2.5/3.5 x 0.6	10/7 mm/M 2.5/3.5 x 0.6
VDE rated data, 0611 Part 3/11.89				
Rated voltage/rated current at PEN/rated cross-section	– V/– A/2.5 mm²	– V/– A/1.5 mm²	– V/– A/2.5 mm²	– V/– A/2.5/1.5 mm²
Rated insulation voltage VDE 0110/2.79/Iso group C V~	500	500	750	500
Rated voltage/impulse voltage VDE0110/1.89/pollution severity	690 V/8 kV/3	690 V/8 kV/3	800 V/8 kV/3	690 V/8 kV/3
Further technical data				
Tightening torque range Nm	0.4...0.7	0.4...0.7	0.4...0.7	0.4...0.7
Torque setting with DMS2 electric screwdriver	1/1	1/1	1/1	1/1
Clampable conductor				
"e" solid H07V-U mm²	0.5…4	0.5…2.5	0.5…4	0.5…4/2.5
"m" stranded H07V-R mm²	1.5…2.5	1.5…2.5	1.5…4	1.5…4/2.5
"f" flexible H07V-K mm²	0.5…2.5	0.5…1.5	0.5…4	0.5…4/1.5
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…1.5	0.5…2.5	0.5…2.5/1.5
"f" flexible H07V-K and AEH with Plastic.Col. mm²	0.5…2.5	0.5…1.5	0.5…2.5	0.5…2.5/1.5
AWG conductor No.	26…12	26…14	26…12	26…12/14
Gauge pin to 947-1 size	A 3	A 1	A 3	A 3/A 1
Ordering data ⊐ Cat.No. Qty.				
green/yellow Wemid	**101620** 100	**101650** 100	**101000** 100	**101640** 100
Support block[1]) Type Cat.No. Qty.	SH 2 **049492** 10	SH 2 **049492** 10	SH 2 **049492** 10	SH 2 **049492** 10
Marking material				
Consecutive horizontal	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –
Consecutive vertical	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –

	WPE 10	WPE 16N	WPE 16	WPE 35
Dimensions				
Width/length/height (mm) with TS 35 x 7.5 ⊐	10/60/47	12/60/63	12/60/63	16/60/63
Insulation stripping length/clamping screw	12 mm/M 4/5.5 x 1.0	12 mm/M 4/5.5 x 1.0	16 mm/M 5/5.5 x 1.0	18 mm/M 6/5.5 x 1.0
VDE rated data, 0611 Part 3/11.89				
Rated voltage/rated current at PEN/rated cross-section	– V/57 A/10 mm²	– V/76 A/16 mm²	– V/76 A/16 mm²	– V/125 A/35 mm²
Rated insulation voltage VDE 0110/2.79/Insul. group C V~	750	380	750	750
Rated voltage/impulse voltage VDE0110/1.89/pollution severity	800 V/8 kV/3	400 V/6 kV/3	800 V/8 kV/3	800 V/8 kV/3
Further technical data				
Tightening torque range Nm	1.2...2.4/0.5...1.0*	1.2...2.4/0.5...1.0*	2.0...4.0/1.2...2.4*	2.5...5.0/1.2...2.4*
Torque setting with DMS2 electric screwdriver	3/2	–/4	–/4	–/4
Clampable conductor				
"e" solid H07V-U mm²	1.5…16	1.5…16	1.5…16	2.5…16
"m" stranded H07V-R mm²	1.5…16	1.5…25	1.5…25	2.5…35
"f" flexible H07V-K mm²	1.5…16	1.5…16	1.5…25	2.5…35
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	1.5…16	1.5…16	1.5…16	2.5…35
"f" flexible H07V-K and AEH with Plastic.Col. mm²	1.5…16	1.5…16	1.5…16	2.5…35
AWG conductor No.	16…8	14…6	14…6	12…2
Gauge pin to 947-1 size	B 6	B 7	B 7	B 9
Ordering data ⊐ Cat.No. Qty.				
green/yellow Wemid	**101030** 50	**101910[3])** 50	**101040** 50	**101050** 25
with hexagon socket				**101260** 25
Support block1) Type Cat.No. Qty.	SH 2 **049492** 10	SH 2 **049492** 10	SH 2 **049492** **10**	SH 2 **049492** 10
Link[2])	**External**	**Internal**	**External**	**External**
	WQB-PEN 10 **106030** 10	WQV 16N-PEN 107136[4]) 10	WQB-PEN 16 **106020** 10	WQB-PEN 35 **106010** 10
Marking tabs				
1 2 3 4 5 6 Consecutive horizontal	FW 8 **127696** –	FW 8 **127696** –	FW 8 **127696** –	FW 8 **127696** –
Consecutive vertical	FS 8 **128966**	FS 8 **128966** –	FS 8 **128966** –	FS 8 **128966** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

1) For insulated arrangement of mounting rails in totally insulated systems
2) Insertable link in a TN C distribution network between N terminal (WDU blue) and PE-terminal (WPE)
3) Yellow side open, see fitting note
4) For PEN ink in conjunction with WQV 16 N, connect neutral conductor between PE and phase

* applies to middle screw

Protective earth terminal blocks

	WDK 2.5 PE	WDK 2.5 DU-PE	WPE 4	WPE 6
Dimensions				
Width/length/height (mm) with TS 35 x 7.5 ⊐	5/69/63	5/69/63	6/60/47	8/60/47
Insulation stripping length/clamping screw	10 mm/M 2.5/3.5 x 0.6	10 mm/M 2.5/3.5 x 0.6	10 mm/M 3/3.5 x 0.6	12 mm/M 3/4.0 x 0.8
VDE rated data, 0611 Part 3/11.89				
Rated voltage/rated current at PEN/rated cross-section	– V/– A/2.5 mm²	– V/– A/2.5 mm²	– V/– A/4 mm²	– V/– A/4 mm²
Rated insulation voltage VDE 0110/2.79/Iso group C V~	380	380	750	750
Rated voltage/impulse voltage VDE0110/1.89/pollution severity	400 V/6 kV/3	400 V/6 kV/3	800 V/8 kV/3	800 V/8 kV/3
Further technical data				
Tightening torque range Nm	0.4...0.7	0.4...0.7	0.5...1.0/0.5...1.0*	0.5...1.0/0.5...1.0*
Torque setting with DMS2 electric screwdriver	1/1	1/1	1/1	1/1
Clampable conductor				
"e" solid H07V-U mm²	0.5…4	0.5…4	0.5…6	0.5…6
"m" stranded H07V-R mm²	1.5…4	1.5…4	1.5…6	1.5…6
"f" flexible H07V-K mm²	0.5…2.5	0.5…2.5	0.5…6	0.5…10
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…2.5	0.5…4	0.5…4
"f" flexible H07V-K and AEH with Plastic.Col. mm²	0.5…2.5	0.5…2.5	0.5…4	0.5…4
AWG conductor No.	22…12	22…12	26…10	26…8
Gauge pin to 947-1 size	A 3	A 3	A 4	A 4
Ordering data ⊐	Cat.No. Qty.	Cat.No. Qty.	Cat.No. Qty.	Cat.No. Qty.
green/yellow Wemid	**103630** 100	**103640** 100	**101010** 100	**101020** 100
Support block[1])	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
	SH 2 **049492** 10	SH 2 **049492** 10	SH 2 **049492** 10	SH 2 **049492** 10
Marking material				
Consecutive horizontal	FW 5 **047346** –	FW 5 **047346** –	FW 6 **046866** –	FW 6 **046866** –
Consecutive vertical	FS 5 **047356** –	FS 5 **047356** –	FS 6 **046876** –	FS 6 **046876** –

The WDU 4 terminal is used to provide a 'noiseless* (clean) earth' connection for instrument wiring.

Moulded in 'Yellow' Polyamide type material, with half the top face and sides indelibly printed in black.

Yellow/Black has been presently adopted as a Petro/Chemical Standard in the absence of a National or International Standard.

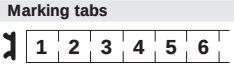
A special WS 12 marking tag in Yellow/Black marked with the 'noiseless* earth' symbol is available as an optional accessory. This presents a complete profile on top of the terminal, clear of conductors.

* Symbol and description to BS 3939:Part 2:1985 and IEC617-2:1983.

	WDU 4	WPE 70N	WPE 70/95	WPE 120
Dimensions				
Width/length/height (mm) with TS 35 x 7.5 ⊐	6/60/47	20.5/75/86	27/132/106	27/132/118
Insulation stripping length/clamping screw	10 mm/M 3/3.5 x 0.6	22 mm/M 8/S 6 DIN 6911	30 mm/M 8/S 6 DIN 6911	35 mm/M 10/S 6 DIN 6911
VDE rated data, 0611 Part 3/11.89				
Rated voltage/rated current at PEN/rated cross-section		– V/192 A/70 mm²	– V/232 A/90 mm²	– V/269 A/120 mm²
Rated insulation voltage VDE 0110/2.79/Insul. group C V~		1000	1000	1000
Rated voltage/impulse voltage VDE0110/1.89/pollution severity		1000 V/8 kV/3	1000 V/8 kV/3	1000 V/8 kV/3
Further technical data				
Tightening torque range Nm	0.5...1.0	6.0...12/2.0...4.0*	6.0...12/3.0...6.0	6.0...12/3.0...6.0
Torque setting with DMS2 electric screwdriver				
Clampable conductor				
"e" solid H07V-U mm²	0.5...6	10…16	16	–
"m" stranded H07V-R mm²	1.5...6	10…95	16…120	35…50
"f" flexible H07V-K mm²	0.5...4	10…70	16…95	35…150
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5...4	10…70	35…95	–
"f" flexible H07V-K and AEH with Plastic.Col. mm²	0.5...4	10…70	35…50	–
AWG conductor No.		8...2/0	6...2/0	2...MCM 250
Gauge pin to 947-1 size	A 4	B 11	B 12	B 13
Ordering data	Cat.No. Qty	⊐ **Cu only** Cat.No. Qty.	Cat.No. Qty	Cat.No. Qty
green/yellow Wemid	**102019** 100	**951220** 10	**103730** 5	**101970** 5
with hexagon socket				
Support block1)	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
	WAP **105002** 50	SH 2 **049492** 10	SH 2 **049492** 10	SH 2 **049492** 10
Link[2])		**Internal**	**Internal**	**Internal**
		WQV 70N-PEN **952584** 5	WQV 70N-PEN **952584** 5	WQV 70N-PEN **952584** 5
Marking tabs				
1 2 3 4 5 6 Consecutive horizontal		FW 8 **127696** –	FW 8 **127696** –	FW 8 **127696** –
Consecutive vertical		FS 8 **128966** –	FS 8 **128966** –	FS 8 **128966** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Isolating neutral terminal blocks

	WNT 2.5	WNT 4	WNT 6	WNT 10
Dimensions				
Width/length/height (mm) with TS 32 ⊏⊐	–	–	–	–
Width/length/height (mm) with TS 35 x 7.5 ⊓⊔	5/60/47	6/60/47	8/60/47	10/60/47
Insulation stripping length/clamping screw	10 mm/M 2.5/3.5 x 0.6	10 mm/M 3/3.5 x 0.6	12 mm/M 3.5/4.0 x 0.8	12 mm/M 4/5.5 x 1.0
VDE rated data. 0611 Part 5/ 5.84				
Rated voltage/rated current/rated cross-section	400 V/24 A/2.5 mm²	400 V/32 A/4 mm²	400 V/41 A/6 mm²	400 V/57 A/10 mm²
Rated insulation voltage VDE 0110/2.79/Iso group C V~	380	380	380	380
Rated voltage/impulse voltage VDE0110/1.89 /pollution severity	400 V/6 kV/3	400 V/6 kV/3	400 V/6 kV/3	400 V/6 kV/3
Further technical data				
Tightening torque range Nm	0.4...0.8	0.5...1.0	0.8...1.6	1.2...2.4
Torque setting with DMS2 electric screwdriver	1	2	3	4
Clampable conductor				
"e" solid H07V-U mm²	0.5…4	0.5…6	0.5…10	1.5…16
"m" stranded H07V-R mm²	1.5…4	1.5…6	1.5…10	1.5…16
"f" flexible H07V-K mm²	0.5…4	0.5…6	0.5…10	1.5…16
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…4	0.5…6	1.5…16
"f" flexible H07V-K and AEH with plastic collar mm²	0.5…2.5	0.5…4	0.5…6	1.5…16
Gauge pin to 947-1 size	A 3	A 4	A 5	B 6
Cont. current rating of cross-connection 2pole A				
Cont. current rating of cross-connection multipole A				
UL/CSA rated data				
Voltage/current/conductor size UL	600 V/25 A/22…12 AWG	600 V/35 A/22…10 AWG	600 V/45 A/20…8 AWG	600 V/60 A/16…8 AWG
Voltage/current/conductor size CSA	600 V/20 A/26…12 AWG	600 V/35 A/26…10 AWG	600 V/45 A/20…8 AWG	600 V/65 A/16…6 AWG
Ordering data Version	⊓⊔ Cat.No. Qty.	⊓⊔ Cat.No. Qty.	⊓⊔ Cat.No. Qty.	⊓⊔ Cat.No. Qty.
For busbars 10 x 3 blue Wemid	**101068** 100	**101078** 100	**101088** 50	**101098** 50
For busbars 6 x 6 blue Wemid	**101158** 100	**101178** 100	**101198** 50	**101218** 50
For busbars 10 x 3 as PA-disconnector beige Wemid (VDE 0107)	**101060** 100	**101070** 100	**101080** 50	**101090** 50
End plate	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
WAP (thickness 1.5 mm) blue Wemid	WAP 2.5-10 **105008** 50	WAP 2.5-10 **105008** 50	WAP 2.5-10 **105008** 50	WAP 2.5-10 **105008** 50
Support plate				
WHP for SSch 10 x 3 blue Wemid	WHP 2.5-10 **105028** 20	WHP 2.5-10 **105028** 20	WHP 2.5-10 **105028** 20	WHP 2.5-10 **105028** 20
WHP for SSch 6 x 6 blue Wemid	WHP 2.5-10 **105048** 50	WHP 2.5-10 **105048** 50	WHP 2.5-10 **105048** 50	WHP 2.5-10 **105048** 50
thickness 1.5 mm				
Busbar				
10 x 3 140 A	SSch 10 x 3 Cu **034890** 1 m	SSch 10 x 3 Cu **034890** 1 m	SSch 10 x 3 Cu **034890** 1 m	SSch 10 x 3 Cu **034890** 1 m
100 A	SSch 10 x 3 Ms **025980** 1 m	SSch 10 x 3 Ms **025980** 1 m	SSch 10 x 3 Ms **025980** 1 m	SSch 10 x 3 Ms **025980** 1 m
140 A	SSch 6 x 6 Cu **057130** 1 m	SSch 6 x 6 Cu **057130** 1 m	SSch 6 x 6 Cu **057130** 1 m	SSch 6 x 6 Cu **057130** 1 m
6 x 6 100 A	SSch 6 x 6 Ms **057120** 1 m	SSch 6 x 6 Ms **057120** 1 m	SSch 6 x 6 Ms **057120** 1 m	SSch 6 x 6 Ms **057120** 1 m
Clamping yoke				
for SSch 10 x 3	ZB 4 K[1] **047538** 50	ZB 4 K[1] **047538** 50	ZB 4 K[1] **047538** 50	ZB 4 K[1] **047538** 50
	ZBE 6 K[2] **052598** 50	ZBE 6 K[2] **052598** 50	ZBE 6 K[2] **052598** 50	ZBE 6 K[2] **052598** 50
	ZB 16 K[3] **050288** 50	ZB 16 K[3] **050288** 50	ZB 16 K[3] **050288** 50	ZB 16 K[3] **050288** 50
	ZB 35 K[4] **050268** 20	ZB 35 K[4] **050268** 20	ZB 35 K[4] **050268** 20	ZB 35 K[4] **050268** 20
for SSch 6 x 6	ZB 4/6 K[5] **056548** 50	ZB 4/6 K[5] **056548** 50	ZB 4/6 K[5] **056548** 50	ZB 4/6 K[5] **056548** 50
Supply via clamping yoke, for example	ZB 16/6 K[6] **056968** 50	ZB 16/6 K[6] **056968** 50	ZB 16/6 K[6] **056968** 50	ZB 16/6 K[6] **056968** 50
Test plug				
	PS 2.3 **018040** 20	PS 2.3 **018040** 20	PS 2.3 **018040** 20	PS 2.3 **018040** 20
Marking tabs Print				
 Consecutive horizontal	FW 5 **047346** –	FW 6 **046866** –	FW 8 **127696** –	FW 8 **127696** –
Consecutive vertical	FS 5 **047356** –	FS 6 **046876** –	FS 8 **128966** –	FS 8 **128966** –
Mounting rails, brackets, additional marking material and accessories				

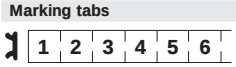
[1]) (0.5…4) mm² [2]) (1.5…10) mm² [3]) (2.5…16) mm² [4]) (16…35) mm² [5]) (0.5…4) mm² [6]) (2.5…16) mm²

Isolating neutral terminal blocks

	WNT 16 N	WNT 70 N
Dimensions		
Width/length/height (mm) with TS 32	–	20.5/75/93.5
Width/length/height (mm) with TS 35 x 7.5	12/60/47	20.5/75/86
Insulation stripping length/clamping screw	12 mm/M 4/5.5 x 1.0	22 mm/M 8/S 6 DIN 6911
VDE rated data. 0611 Part 5/ 5.84		
Rated voltage/rated current/rated cross-section	400 V/76 A/16 mm²	400 V/192 A/70 mm²
Rated insulation voltage VDE 0110/2.79/Iso group C V~	380	380
Rated voltage/impulse voltage VDE0110/1.89 /pollution severity	400 V/6 kV/3	400 V/6 kV/3
Further technical data		
Tightening torque range Nm	1.2...2.4	6.0...12
Torque setting with DMS2 electric screwdriver	4	-
Clampable conductor		
"e" solid H07V-U mm²	1.5…16	10…16
"m" stranded H07V-R mm²	1.5…25	10…95
"f" flexible H07V-K mm²	1.5…16	10…70
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	1.5…16	10…70
"f" flexible H07V-K and AEH with plastic collar mm²	1.5…16	10…70
Gauge pin to 947-1 size	B 7	B 11
Cont. current rating of cross-connection 2pole A		
Cont. current rating of cross-connection multipole A		
UL/CSA rated data		
Voltage/current/conductor size UL		600 V/175 A/8...2/0 AWG*
Voltage/current/conductor size CSA		600 V/205 A/8...2/0 AWG*

Ordering data Version	WNT 16 N Cat.No.	Qty.	WNT 70 N Cat.No.	Cat.No.	Qty.
For busbars 10 x 3 blue Wemid	**101900**	50	**951221**	**951223**	10
For busbars 6 x 6 blue Wemid					
For busbars 10 x 3 as PA-disconnector beige Wemid (VDE 0107)					

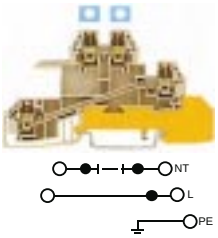
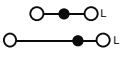
End plate	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
WAP (thickness 1.5 mm) blue Wemid						
Support plate						
WHP for SSch 10 x 3 blue Wemid	WHP 2.5-10	**105028**	20	WHP 2.5-10	**105028**	20
WHP for SSch 6 x 6 blue Wemid						
thickness 1.5 mm						
Busbar						
10 x 3 140 A	SSch 10 x 3 Cu	**034890**	1 m	SSch 10 x 3 Cu	**034890**	1 m
100 A	SSch 10 x 3 Ms	**025980**	1 m	SSch 10 x 3 Ms	**025980**	1 m
140 A						
6 x 6 100 A						
Clamping yoke						
for SSch 10 x 3	ZB 4 K[1])	**047538**	50	ZB 4 K[1])	**047538**	50
	ZBE 6 K[2])	**052598**	50	ZBE 6 K[2])	**052598**	50
	ZB 16 K[3])	**050288**	50	ZB 16 K[3])	**050288**	50
	ZB 35 K[4])	**050268**	20	ZB 35 K[4])	**050268**	20
for SSch 6 x 6						
Supply via clamping yoke, for example						
Test plug						
	PS 2.3	**018040**	20	PS 4	**029960**	20
				Insertable in screw head of connecting system		

Marking tabs Print						
 Consecutive horizontal	FW 5	**047346**	–	FW 5	**047346**	–
Consecutive vertical	FS 5	**047356**	–	FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Three-way terminal blocks

Terminals / accessories

	WDL 2.5/S/ NT/L/PE	WDL 2.5/S/ L/L
		
		
Dimensions		
Width/length/height (mm) with TS 32	–	–
Width/length/height (mm) with TS 35 x 7.5	6/84,5/48,7	6/84.5/48.7
Insulation stripping length/clamping screw	8 mm/M 2,5/3,5 x 0,6	8 mm/M 2.5/3.5 x 0.6
VDE rated data 0611 Part 4/2.91		
Rated voltage/rated current/rated cross-section	250V/400V/24 A/2,5 mm²	400 V/24 A/2.5 mm²
Rated insulation voltage VDE 0110/2.79/Insul. group C V~	250/380	250/380
Rated voltage/impulse voltage VDE0110/1.89 /pollution severity	250V/400 V/4 kV/3	400 V/6 kV/3
Further technical dates		
Tightening torque range Nm	0,4...0,7	0.4...0.7
Torque setting with DMS2 electric screwdriver	1	1
Clampable conductor		
"e" solid H07V-U mm²	0,5…4	0.5…4
"m" stranded H07V-R mm²	1,5…4	1.5…4
"f" flexible H07V-K mm²	0,5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0,25…4	0.25…4
"f" flexible H07V-K and AEH with plastic insul. collar. mm²	0,25…4	0.25…4
Gauge pin to 947-1 Size	A 3	A 3
Continuous current rating of cross-connection 2-poles A	20	20
Continuous current rating of cross-connection multipole A	20	20
UL/CSA rated data		
Voltage/current/conductor size UL	300 V/15 A/22…12 AWG	300 V/15 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG
Ordering data Version	Cat.No. Qty.	Cat.No. Qty.
yellow-green/blue/dark beige Wemid	**103060** 50	
yellow-green/dark beige Wemid	(NT connection	
blue/dark beige Wemid	coded blue)	
dark beige Wemid		**103120** 50
End plate	Type Cat.No. Qty.	Type Cat.No. Qty.
	WAP WDL 2.5/S **106770** 20	WAP WDL 2.5/S **106770** 20
Support plate		
WHP for SSch 10 x 3 Wemid blue	WHP WDL 2.5/S **106798** 20	
Distance WHP-WHP max. 200 mm thickness 1.5 mm		
Small partition		
	TSch 1 **031916** 100	TSch 1 **031916** 100
Cross-connection (L/N/NT)		
	Q 2 **107150** 50	Q 2 **107150** 50
	Q 3 **105160** 50	Q 3 **105160** 50
	Q 4 **107170** 50	Q 4 **107170** 50
	Q 10 **107180** 20	Q 10 **107180** 20
Busbar 10 x 3		
Cu 140 A	SSch 10 x 3 Cu **034890** 1 m	
Ms 100 A	SSch 10 x 3 Ms **025980** 1 m	
Clamping yoke		
Supply for SSch 10 x 3	ZBE 6 K **052598** 50	
	ZB 16 K **050288** 50	
	ZB 35 K **050268** 50	
Neutral disconnect terminals		
as supply terminals see page 2/12	WNT 6 **101088** 50	
	WNT 10 **101098** 50	
	WNT 16 N **101900** 50	
	WNT 70 N **951221** 10	
Marking tags Print		
Consecutive horizontal	FW 6 **046866** 500	FW 6 **046866** 500
Consecutive vertical	FS 6 **046876** 500	FS 6 **046876** 500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Installation specifications for power systems up to 1000V to VDE 0100 (EC 364) require that the installed system be subjected to an insulation measurement test.Special specifications stipulate an insulation measurement for all outgoing conductors(L 1, L 2, L3, N) without making any disconnections.The WDL three-way terminal block meets these requirements. Circuits can be connected on three levels across a width of only 6 mm in a clear and space-saving manner. Two independent terminal strips with disconnect elements and a cross-connection system of the N conductor are available.

WDL 2.5/S...

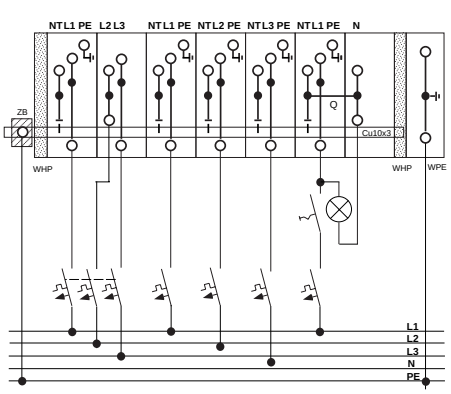
N cross-connection with the proven 10x3 mm busbar system up to 140 A. The busbar is fed by a separate clamping yoke (ZB 4-ZB 16) or an N disconnect terminal of the WNT series.

WDL 2.5/S/NT/L/PE

The disconnectable N connection is connected to the 10x3 busbar at the upper level or, in the second version, with the WQV cross-connection system. The individual levels are colour-coded to facilitate circuit assignment. If no N disconnection is required, additional three-way terminals with feed-throughs for the N conductor are available.

WDL 2.5/S/L/L

Three-phase circuits can be implemented by combining 3-way terminals (L 1, NT, PE) and WDL 2.5/(S)/L/L two-way terminals (L 2, L 3).



WDL 2.5/S-blocks

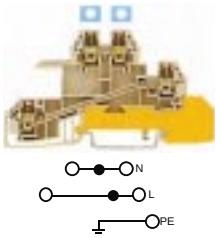
for one three-phase circuit[1]
for three AC circuits [2]

WDL 2.5/S/N

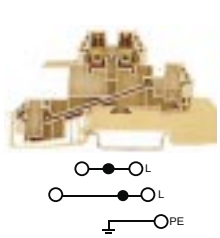
WDL 2.5/S/L

WDL 2.5/S/ N/L

WDL 2.5/S/ N/L/PE



WDL 2.5/S/ L/L/PE



–			–			–			–			–			–		
12/18/84.5/48.7			6/84.5/48.7			6/84.5/48.7			6/84.5/48.7			6/84,5/48,7			6/84.5/48.7		
8 mm/M 2.5/3.5 x 0.6			8 mm/M 2.5/3.5 x 0.6			8 mm/M 2.5/3.5 x 0.6			8 mm/M 2.5/3.5 x 0.6			8 mm/M 2,5/3,5 x 0,6			8 mm/M 2.5/3.5 x 0.6		
250V/400V/24 A/2.5 mm²			400 V/24 A/2.5 mm²			400 V/24 A/2.5 mm²			400 V/24 A/2.5 mm²			250V/400V/24 A/2,5 mm²			250V/400V/24 A/2.5 mm²		
250/380			250/380			250/380			250/380			250/380			250/380		
250V/400V/4 kV/3			400 V/6 kV/3			400 V/6 kV/3			400 V/6 kV/3			250V/400 V/4 kV/3			250V/400 V/4 kV/3		
0.4...0.7			0.4...0.7			0.4...0.7			0.4...0.7			0,4...0,7			0.4...0.7		
1			1			1			1			1			1		
0.5…4			0.5…4			0.5…4			0.5…4			0,5…4			0.5…4		
1.5…4			1.5…4			1.5…4			1.5…4			1,5…4			1.5…4		
0.5…4			0.5…4			0.5…4			0.5…4			0,5…4			0.5…4		
0.25…4			0.25…4			0.25…4			0.25…4			0,25…4			0.25…4		
0.25…4			0.25…4			0.25…4			0.25…4			0,25…4			0.25…4		
A 3			A 3			A 3			A 3			A 3			A 3		
20			20			20			20			20			20		
20			20			20			20			20			20		
300 V/15 A/22…12 AWG			300 V/15 A/22…12 AWG			300 V/15 A/22…12 AWG			300 V/15 A/22…12 AWG			300 V/15 A/22…12 AWG			300 V/15 A/22…12 AWG		
300 V/10 A/26…12 AWG			300 V/10 A/26…12 AWG			300 V/10 A/26…12 AWG			300 V/10 A/26…12 AWG			300 V/10 A/26…12 AWG			300 V/10 A/26…12 AWG		
	Cat.No.	Qty.		Cat.No.	Qty.		Cat.No.	Qty.		Cat.No.	Qty.		Cat.No.	Qty.		Cat.No.	Qty.
	103410 [1]	25	(N-connection coded blue)						(N connection coded blue)				**103070**	50			
Block of each **103060 + 103120**												(N connection coded blue)				**103110**	50
	103420 [2]	20		**103090**	50					**103080**	50						
Block of three **103060**							**103130**	50									
	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
WAP WDL 2.5/S	**106770**	20	WAP WDL 2.5/S	**106770**	20	WAP WDL 2.5/S	**106770**	20	WAP WDL 2.5/S	**106770**	20	WAP WDL 2.5/S	**106770**	20	WAP WDL 2.5/S	**106770**	20
WHP WDL 2.5/S	**106798**	20															
TSch 1	**031916**	100	TSch 1	**031916**	100	TSch 1	**031916**	100	TSch 1	**031916**	100	TSch 1	**031916**	100	TSch 1	**031916**	100
Q 2	**107150**	50	Q 2	**107150**	50	Q 2	**107150**	50	Q 2	**107150**	50	Q 2	**107150**	50	Q 2	**107150**	50
Q 3	**105160**	50	Q 3	**105160**	50	Q 3	**105160**	50	Q 3	**105160**	50	Q 3	**105160**	50	Q 3	**105160**	50
Q 4	**107170**	50	Q 4	**107170**	50	Q 4	**107170**	50	Q 4	**107170**	50	Q 4	**107170**	50	Q 4	**107170**	50
Q 10	**107180**	20	Q 10	**107180**	20	Q 10	**107180**	20	Q 10	**107180**	20	Q 10	**107180**	20	Q 10	**107180**	20
SSch 10 x 3 Cu	**034890**	1 m															
SSch 10 x 3 Ms	**025980**	1 m															
ZBE 6 K	**052598**	50															
ZB 16 K	**050288**	50															
ZB 35 K	**050268**	50															
WNT 6	**101088**	50															
WNT 10	**101098**	50															
WNT 16 N	**101900**	50															
WNT 70 N	**951221**	10															
FW 6	**046866**	500	FW 6	**046866**	500	FW 6	**046866**	500	FW 6	**046866**	500	FW 6	**046866**	500	FW 6	**046866**	500
FS 6	**046876**	500	FS 6	**046876**	500	FS 6	**046876**	500	FS 6	**046876**	500	FS 6	**046876**	500	FS 6	**046876**	500

Three Way terminal blocks

Installation specifications for power systems up to 1000V to VDE 0100 (EC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors(L 1, L 2, L3, N) without making any disconnections.The WDL three-way terminal block meets these requirements. Circuits can be connected on three levels across a width of only 6 mm in a clear and space-saving manner.

WDL 2.5...

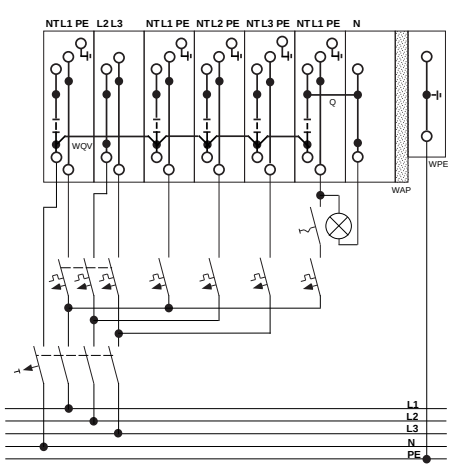
N-cross-connection via the WQV 4 cross-connection system from the W series. The supply power is fed directly via a clamping yoke in the terminal.

WDL 2.5/NT/L/PE

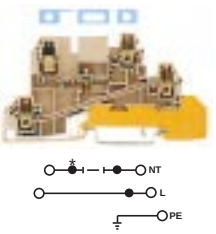
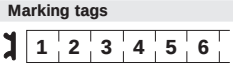
The N connection can be disconnected in the upper level by the WQV cross connection system with which it is connected. The separate levels are colour-coded to facilitate wiring.

WDL 2.5/L/L

Three-phase circuits can be implemented by combining 3-way terminals (L 1, NT, PE) and WDL 2.5/(S)/L/L two-way terminals (L 2, L 3).



Terminals/accessories

		WDL 2.5/NT/L/PE	WDL 2.5/L/L
			
Dimensions			
Width/length/height (mm)	With TS 32 ⊏	–	–
Width/length/height (mm)	With TS 35 x 7.5 ⊐	6/90/48.7	6/90/48.7
Insulation stripping length/clamping screw		8 mm/M 2.5/3**/3.5 x 0.6	8 mm/M 2.5/3**/3.5 x 0.6
VDE rated data 0611 Part 4/2.91			
Rated voltage/rated current/rated cross-section		250V/400V/24 A/2.5/4** mm²	400 V/24 A/2.5/4** mm²
Rated insulation voltage VDE 0110/2.79/insul. group C	V~	250/380	250/380
Rated voltage/impulse voltage VDE0110/1.89/pollution severity		250V/400 V/4 kV/3	400 V/6 kV/3
Further technical data			
Tightening torque range	Nm	0.4...0.7	0.4...0.7
Torque setting with DMS2 electric screwdriver		1	1
Clampable conductor			
"e" solid H07V-U	mm²	0.5…4/6**	0.5…4/6**
"m" stranded H07V-R	mm²	1.5…4/6**	1.5…4/6**
"f" flexible H07V-K	mm²	0.5…4/6**	0.5…4/6**
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…4/4**	0.5…4/4**
"f" flexible H07V-K and AEH With plastic insul. collar	mm²	0.5…4/4**	0.5…4/4**
Gauge pin to 947-1	Size	A 3/A 4**	A 3/A 4**
Continuous current rating of cross-connection multipole	A	20	20
Continuous current rating of cross-connectionWQV 4 multipole	A	40	40
UL/CSA rated data			
Voltage/current/conductor size	UL	300 V/15 A/22…12 AWG	300 V/15 A/22…12 AWG
Voltage/current/conductor size	CSA	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG
Ordering data	Version	⊐ Cat.No. Qty.	⊐ Cat.No. Qty.
	Wemid	**102980** 50	**103030** 50
		(N-connection coded blue)	
End plate		Type Cat.No. Qty.	Type Cat.No. Qty.
		WAP WDL 2.5 **106780** 20	WAP WDL 2.5 **106780** 20
Small partition for Q…			
		TSch 1 **031916** 100	TSch 1 **031916** 100
Cross-connection (L. NT. N)			
		Q 2 **107150** 50	Q 2 **107150** 50
		Q 3 **105160** 50	Q 3 **105160** 50
		Q 4 **107170** 50	Q 4 **107170** 50
		Q 10 **107180** 20	Q 10 **107180** 20
Cross-connection* Insert (L. NT. N)			
	32 A	WQV 4/2 **105196** 50	WQV 4/2 **105196** 50
		WQV 4/3 **105456** 50	WQV 4/3 **105456** 50
		WQV 4/4 **105466** 50	WQV 4/4 **105466** 50
		WQV 4/10 **105206** 20	WQV 4/10 **105206** 20
Notching tool for WQV			
		WAW 1 **900450** 1	WAW 1 **900450** 1
Marking tags	**Print**		
	Consecutive horizontal	FW 6 **046866** 500	FW 6 **046866** 500
	Consecutive vertical	FS 6 **046876** 500	FS 6 **046876** 500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

** For N-connection only (circuit breaker side)

WDL 2.5/N

–

6/90/48.7

8 mm/M 2.5/3**/3.5 x 0.6

400 V/24 A/2.5/4** mm²

250/380

400 V/6 kV/3

0.4...0.7

1

0.5…4/6**

1.5…4/6**

0.5…4/6**

0.5…4/4**

0.5…4/4**

A 3/A 4**

20

40

300 V/15 A/22…12 AWG

300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	103010	50

(NT-connection coded blue)

Type	Cat.No.	Qty.
WAP WDL 2.5	**106780**	20
TSch 1	**031916**	100
Q 2	**107150**	50
Q 3	**105160**	50
Q 4	**107170**	50
Q 10	**107180**	20
WQV 4/2	**105196**	50
WQV 4/3	**105456**	50
WQV 4/4	**105466**	50
WQV 4/10	**105206**	20
WAW 1	**900450**	1
FW 6	**046866**	500
FS 6	**046876**	500

WDL 2.5/L

–

6/90/48.7

8 mm/M 2.5/3**/3.5 x 0.6

400 V/24 A/2.5/4** mm²

250/380

400 V/6 kV/3

0.4...0.7

1

0.5…4/6**

1.5…4/6**

0.5…4/6**

0.5…4/4**

0.5…4/4**

A 3/A 4**

20

40

300 V/15 A/22…12 AWG

300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	103040	50

Type	Cat.No.	Qty.
WAP WDL 2.5	**106780**	20
TSch 1	**031916**	100
Q 2	**107150**	50
Q 3	**105160**	50
Q 4	**107170**	50
Q 10	**107180**	20
WQV 4/2	**105196**	50
WQV 4/3	**105456**	50
WQV 4/4	**105466**	50
WQV 4/10	**105206**	20
WAW 1	**900450**	1
FW 6	**046866**	500
FS 6	**046876**	500

WDL 2.5/N/L

–

6/90/48.7

8 mm/M 2.5/3**/3.5 x 0.6

400 V/24 A/2.5/4** mm²

250/380

400 V/6 kV/3

0.4...0.7

1

0.5…4/6**

1.5…4/6**

0.5…4/6**

0.5…4/4**

0.5…4/4**

A 3/A 4**

20

40

300 V/15 A/22…12 AWG

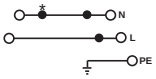
300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	103000	50

(NT-connection coded blue)

Type	Cat.No.	Qty.
WAP WDL 2.5	**106780**	20
TSch 1	**031916**	100
Q 2	**107150**	50
Q 3	**105160**	50
Q 4	**107170**	50
Q 10	**107180**	20
WQV 4/2	**105196**	50
WQV 4/3	**105456**	50
WQV 4/4	**105466**	50
WQV 4/10	**105206**	20
WAW 1	**900450**	1
FW 6	**046866**	500
FS 6	**046876**	500

WDL 2.5/N/L/PE



–

6/90/48.7

8 mm/M 2.5/3**/3.5 x 0.6

250V/400V/24 A/2.5/4** mm²

250/380

250V/400 V/4 kV/3

0.4...0.7

1

0.5…4/6**

1.5…4/6**

0.5…4/6**

0.5…4/4**

0.5…4/4**

A 3/A 4**

20

40

300 V/15 A/22…12 AWG

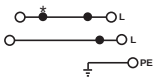
300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	102990	50

(NT-connection coded blue)

Type	Cat.No.	Qty.
WAP WDL 2.5	**106780**	20
TSch 1	**031916**	100
Q 2	**107150**	50
Q 3	**105160**	50
Q 4	**107170**	50
Q 10	**107180**	20
WQV 4/2	**105196**	50
WQV 4/3	**105456**	50
WQV 4/4	**105466**	50
WQV 4/10	**105206**	20
WAW 1	**900450**	1
FW 6	**046866**	500
FS 6	**046876**	500

WDL 2.5/L/L/PE



–

6/90/48.7

8 mm/M 2.5/3**/3.5 x 0.6

250V/400V/24 A/2.5/4** mm²

250/380

250V/400 V/4 kV/3

0.4...0.7

1

0.5…4/6**

1.5…4/6**

0.5…4/6**

0.5…4/4**

0.5…4/4**

A 3/A 4**

20

40

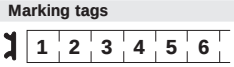
300 V/15 A/22…12 AWG

300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	103020	50

Type	Cat.No.	Qty.
WAP WDL 2.5	**106780**	20
TSch 1	**031916**	100
Q 2	**107150**	50
Q 3	**105160**	50
Q 4	**107170**	50
Q 10	**107180**	20
WQV 4/2	**105196**	50
WQV 4/3	**105456**	50
WQV 4/4	**105466**	50
WQV 4/10	**105206**	20
WAW 1	**900450**	1
FW 6	**046866**	500
FS 6	**046876**	500

Disconnect test terminal blocks

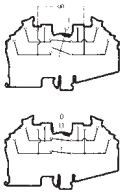
	WTR 2.5	WTR 2.5 D With diode plug	WTR 2.5 D With StB with diode plug and 2.3 socket	WTR 2.5 Without disconnector
Dimensions				
Width/length/height (mm) With TS 32	–	–	–	–
Width/length/height (mm) With TS 35 x 7.5	5/60/49	5/60/49 + 18 für WSD	5/60/49 + 18 für WSD	5/60/49
Insulation stripping length/clamping screw	10 mm/M 2.5/3**/3.5 x 0.6	10 mm/M 2.5/3.5 x 0.6	10 mm/M 3/3.5 x 0.6	10 mm/M 2.5/3**/3.5 x 0.6
Rated data				
Rated voltage/rated current/rated cross-section	800 V/16* A/2.5 mm²	500 V/16* A/2.5 mm²	500 V/16* A/2.5 mm²	800 V/16* A/2.5 mm²
Impulse voltage VDE 0110/1.89 /pollution severity	6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.4...0.8/0.5...1.0**	0.4...0.8	0.5...1.0	0.4...0.8/0.5...1.0**
Torque setting with DMS2 electric screwdriver	1/2**	1	2	1/2**
Clampable conductor				
"e" solid H07V-U mm²	0.5…4	0.5…4	0.5…4	0.5…4
"m" stranded H07V-R mm²	1.5…4	1.5…4	1.5…4	1.5…4
"f" flexible H07V-K mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
"f" flexible H07V-K and AEH With plastic insul.collar mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to 947-1 Size	A 3	A 3	A 3	A 3
Continuous current rating of Cross-connection 2-poles A				
Continuous current rating of Cross-connection multipole A	26	26	26	26
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG
Version	Cat.No. Qty.	Cat.No. Qty.	Cat.No. Qty.	Cat.No. Qty.
Wemid	no StB **101110** 100	**101350** 50	**101320** 50	**101290** 100
Wemid	2 StB 2.3** **101120** 100	**101360** 50	**101330** 50	With StB 2.3** **101280** 100
blue Wemid	no StB **101118** 100			
blue Wemid	2 StB 2.3** **101128** 100			
Wemid	2 StB 2.0** **101300** 100	With wire link **101370** 50	With wire link **101340** 50	With StB 2.0** **101310** 100
dark beige/yellow Wemid				
beige/yellow Polyamide				
blue/light blue Polyamide				
orange Polyamide	**101116** 100			
End plate/partition	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
WAP (thickness 1.5 mm)				
Wemid	WAP 2.5–10 **105000** 50	WAP 2.5–10 **105000** 50	WAP 2.5–10 **105000** 50	WAP 2.5–10 **105000** 50
WTW				
Wemid	WTW 2.5–10 **105010** 20	WTW 2.5–10 **105010** 20	WTW 2.5–10 **105010** 20	WTW 2.5–10 **105010** 20
Cross-connection				
QL 2–10	QL 2 **021580** 100	QL 2 **021580** 100	QL 2 **021580** 100	QL 2 **021580** 100
	QL 3 **021590** 100	QL 3 **021590** 100	QL 3 **021590** 100	QL 3 **021590** 100
	QL 4 **021600** 50	QL 4 **021600** 50	QL 4 **021600** 50	QL 4 **021600** 50
	QL 10 **033800** 20	QL 10 **033800** 20	QL 10 **033800** 20	QL 10 **033800** 20
PS	BS-M 2.5x4.5 **106270** 100	BS-M 2.5x4.5 **106270** 100	BS-M 2.5x4.5 **106270** 100	BS-M 2.5x4.5 **106270** 100
	PS 2.3 (ø 2.3) **018040** 20	PS 2.3 (ø 2.3) **018040** 20	PS 2.3 (ø 2.3) **018040** 20	PS 2.3 (ø 2.3) **018040** 20
	PS 2.0 (ø 2.0) **029380** 20	PS 2.0 (ø 2.0) **029380** 20	PS 2.0 (ø 2.0) **029380** 20	PS 2.0 (ø 2.0) **029380** 20
Cross-connection plug (2-poles. ø 2.3)	WDS 2 **106990** 20			
Notching tool				
To notch the punch-out terminal moulding for cross-connections	WAW 2 **900451** –	WAW 2 **900451** –	WAW 2 **900451** –	WAW 2 **900451** –
Screwdriver				
SDIK	SDIK for StB **902493**		SDIK for StB **902493**	SDIK for StB **902493**
Diode plug (spare)				
−⋈+	WSD 2.5 **105846** 25	WSD 2.5 **105846** 25	WSD 2.5 **105846** 25	WSD 2.5 **105846** 25
+⋈−	WSD 2.5 **105856** 25	WSD 2.5 **105856** 25	WSD 2.5 **105856** 25	WSD 2.5 **105856** 25
With wire link	WSD 2.5 **105866** 25	WSD 2.5 **105866** 25	WSD 2.5 **105866** 25	WSD 2.5 **105866** 25
Without special components	WSD 2.5 **105876** 25	WSD 2.5 **105876** 25	WSD 2.5 **105876** 25	WSD 2.5 **105876** 25
Marking tags **Print**				
 Consecutive horizontal	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –
Consecutive vertical	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Rated current is limited to 1 A when using the diode plug with soldered diode
** M 3 thread for versions with sockets (StB)

WDT 1.5/1

With space-saving TOP-connection



Circuit diagram

–
6.5/112/67
10 mm/M 2.5/3.5 x 0.6

250 V/10 A/1.5 mm²
4 kV/3

0.4...0.8
1

0.5…2.5
1.5…2.5
0.5…1.5
0.5…1.5
0.5…1.5
A 2

300 V/10 A/26…14 AWG
150 V/10 A/26…14 AWG

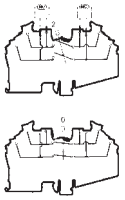
Cat.No.	Cat.No.	Qty.
101580		25
101586	**101526**	25

Type	Cat.No.	Qty.
PS 2.3	**018040**	20

FW 6.5	**046816**	–
FS 6.5	**046826**	–

WDT 1.5/2

With space-saving TOP-connection



Circuit diagram

6.5/112/76
–
10 mm/M 2.5/3.5 x 0.6

250 V/10 A/1.5 mm²
4 kV/3

0.4...0.8
1

0.5…2.5
1.5…2.5
0.5…1.5
0.5…1.5
0.5…1.5
A 2

300 V/10 A/26…14 AWG
150 V/10 A/26…14 AWG

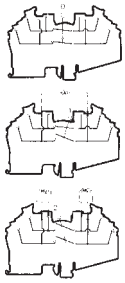
Cat.No.	Cat.No.	Qty.
101590		25
101556	**101546**	25

Type	Cat.No.	Qty.
PS 2.3	**018040**	20

FW 6.5	**046816**	–
FS 6.5	**046826**	–

WDT 1.5/3

With space-saving TOP-connection



–
6.5/112/67
10 mm/M 2.5/3.5 x 0.6

250 V/10 A/1.5 mm²
4 kV/3

0.4...0.8
1

0.5…2.5
1.5…2.5
0.5…1.5
0.5…1.5
0.5…1.5
A 2

300 V/10 A/26…14 AWG
150 V/10 A/26…14 AWG

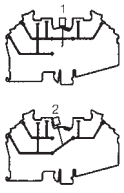
Cat.No.	Cat.No.	Qty.
101600		25
101576	**101566**	25
101616		25

Type	Cat.No.	Qty.
PS 2.3	**018040**	20

FW 6.5	**046816**	–
FS 6.5	046826	–

WDT 1.5/4/32

With space-saving TOP-connection



Circuit diagram

6.5/112/76
–
10 mm/M 2.5/3.5 x 0.6

250 V/10 A/1.5 mm²
4 kV/3

0.4...0.8
1

0.5…2.5
1.5…2.5
0.5…1.5
0.5…1.5
0.5…1.5
A 2

150 V/10 A/26…14 AWG
150 V/10 A/26…14 AWG

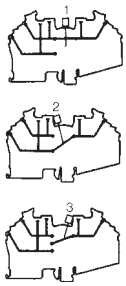
Cat.No.	Cat.No.	Qty.
beige PA	**101730**	25

Type	Cat.No.	Qty.
PS 2.3	**018040**	20

FW 6.5	**046816**	–
FS 6.5	**046826**	–

WDT 1.5/5/32

With space-saving TOP-connection



6.5/112/67
–
10 mm/M 2.5/3.5 x 0.6

250 V/10 A/1.5 mm²
4 kV/3

0.4...0.8
1

0.5…2.5
1.5…2.5
0.5…1.5
0.5…1.5
0.5…1.5
A 2

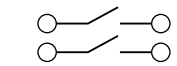
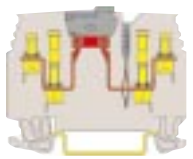
150 V/10 A/26…14 AWG
150 V/10 A/26…14 AWG

Cat.No.	Cat.No.	Qty.
beige PA	**101750**	25
	101758	25

Type	Cat.No.	Qty.
PS 2.3	**018040**	20

FW 6.5	**046816**	–
FS 6.5	**046826**	–

Disconnect test terminal blocks

	WDTR 2.5	WDTR 2.5/WE	WTR 2.5/ZZ
			
			

Dimensions

Width/length/height (mm)	With TS 32 ⊏⊐	6.2/92/69	–	–
Width/length/height (mm)	With TS 35 x 7.5 ⊐⊏	–	6.2/30/69	5/60/49
Insulation stripping length/clamping screw		8 mm/M 3/3.5 x 0.6	7 mm/M 3/3.5 x 0.6	7 mm/M 3/3.5 x 0.6
Rated data				
Rated voltage/rated current/rated cross-section		400 V/16 A/2.5 mm²	400 V/16 A/2.5 mm²	400 V/10 A/2.5 mm²
Impulse voltage VDE 0110/1.89 /pollution severity		6 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range	Nm	0.5...1.0	0.5...1.0	0.5...1.0
Torque setting with DMS2 electric screwdriver		2	2	2
Clampable conductor				
"e" solid H07V-U	mm²	0.5…4	0.5…4	0.5…4
"m" stranded H07V-R	mm²	1.5…4	1.5…4	1.5…4
"f" flexible H07V-K	mm²	0.5…2.5	1.5…4	1.5…4
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…2.5	0.5…2.5	0.5…2.5
"f" flexible H07V-K and AEH With plastic insul.collar	mm²	0.5…2.5	0.5…2.5	0.5…2.5[1])
Gauge pin to 947-1	Size	A 3	A 3	A 3
Continuous current rating of Cross-connection 2-poles	A	16A/1.5 mm²	16 A/1.5 mm²	10 A/1.5 mm²
Continuous current rating of Cross-connection multipole	A			24
UL/CSA rated data				
Voltage/current/conductor size	UL	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG
Voltage/current/conductor size	CSA	300 V/10 A/22…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG

Version

	WDTR 2.5 ⊐⊏ Cat.No.	WDTR 2.5 ⊏⊐ Cat.No.	Qty.	WDTR 2.5/WE ⊐⊏ Cat.No.	WDTR 2.5/WE ⊏⊐ Cat.No.	Qty.	WTR 2.5/ZZ ⊐⊏	Cat.No.	Qty.
Wemid	**952807**	**952807**	25	**952809**	**952809**	25	With StB 2.3*	**103990**	100
blue Wemid	**952808**	**952808**	25	**952810**	**952810**	25	With StB 2.3*	**103998**	100

* M3 thread for versions with Sockets (StB)

End plate/partition

	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
WAP (thickness 1.5 mm)									
Wemid							WAP WTR2.5ZZ	**107460**	50
blue Wemid							WAP WTR2.5ZZ	**104488**	50
WTW									
Wemid									

Cross-connection

ZQV

VQB 1.5/50BL	**163328**	5	VQB 1.5/50BL	**163328**	5	ZQV 2.5/2	**160886**	60
VQB 1.5/50RD	**163228**	5	VQB 1.5/50RD	**163228**	5	ZQV 2.5/3	**160887**	60
VQB 1.5/50BK	**163515**	5	VQB 1.5/50BK	**163515**	5	ZQV 2.5/4	**160888**	60
						ZQV 2.5/5	**160889**	20
						ZQV 2.5/6	**160890**	20
						ZQV 2.5/7	**160891**	20
						ZQV 2.5/8	**160892**	20
						ZQV 2.5/9	**160893**	20
						ZQV 2.5/10	**160894**	20

PS

PS 2.3	**018040**	20	PS 2.3 (Ø2.3)	**018040**	20	PS 2.3 (Ø2.3)	**018040**	20

Cross-connection plug (2-poles. ø 2.3)

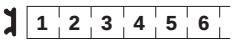
Screwdriver

SDIK — SDIK for StB **902493**

Diode plug (spare)

−⋈+						WSD 2.5	**105846**	25
+⋈−						WSD 2.5	**105856**	25
With wire link						WSD 2.5	**105866**	25
Without special components						WSD 2.5	**105876**	25

Marking tags — **Print**



Consecutive horizontal	FW 6.5	**046816**	–	FW 6.5	**047346**	–	FW 5	**047346**	–
Consecutive vertical	FS 6.5	**046826**	–	FS 6.5	**047356**	–	FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Current transformers must always have a closed secondary circuit, even when the exchanging measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

Various easy and clear wiring solutions can be found using lateral disconnect terminals WTL 6/1, feed-through terminals WTD 6/1 and cross-disconnect terminals WTQ 6/1.

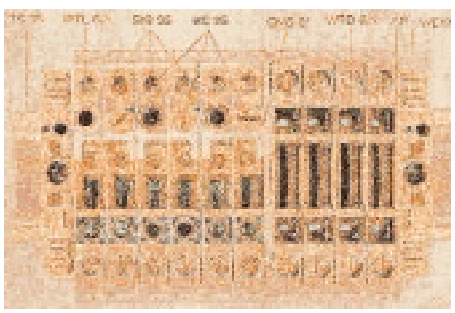
Examples:

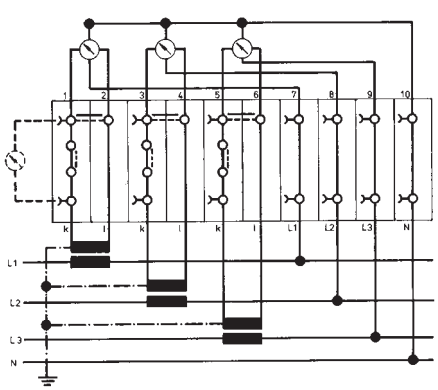
Simple current transformer circuits
Measurement transformer test sets

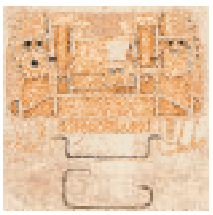
With one basic version, the WTL 6/2 can fulfill all circuit tasks occurring in practice as a lateral disconnect terminal. The short-circuit slides are of shock-proof design. Two short circuit slides can be installed.

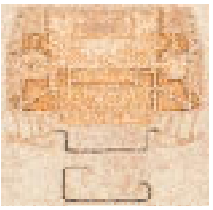
The WTL 6/3 is identical in function with the WTL 6/2 and is suitable for safety plug use due to its test socket StB 19.1 which is safe from finger touch.

Meter test with WTL 6/1
Combination of lateral disconnect terminal and feed-through terminal (example).



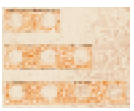
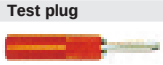
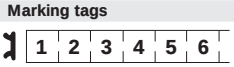






		WTL 6/1/STB	WTD 6/1
Dimensions			
Width/length/height (mm)	with TS 32 ⊏⎽	8/65/52.2	8/65/52.2
Width/length/height (mm)	with TS 35 x 7.5 ⎽⊐	8/65/48.2	8/65/48.2
Insulation stripping length/clamping screw		12 mm/M 3.5/3*/4.0 x 0.8	12 mm/M 3.5/3*/4.0 x 0.8
Rated data			
Rated voltage/rated current/rated cross-section		500 V**/41 A/6 mm²	400 V/41 A/6 mm²
Rated impulse voltage VDE 0110/1.89 /pollution severity		6 kV/3	6 kV/3
Further technical data			
Tightening torque range	Nm	0.8...1.6/0.4...0.8*	0.8...1.6/0.4...0.8*
Torque setting with DMS2 electric screwdriver		3	3
Clampable conductor			
"e" solid H07V-U	mm²	0.5…10	0.5…10
"m" stranded H07V-R	mm²	1.5…10	1.5…10
"f" flexible H07V-K	mm²	0.5…10	0.5…10
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…6	0.5…6
"f" flexible H07V-K and AEH With plastic insul.collar	mm²	0.5…6	0.5…6
Gauge pin to 947-1	Size	A 5	A 5
Continuous current rating of cross-connection 2…5 pole	A	(QL 2…5) 47	(QL 2…5) 47
Continuous current rating of cross-connection 6…10 pole	A	(QL 6…10) 36	(QL 6…10) 36
UL/CSA rated data			
Voltage/current/conductor size	UL	600 V/45 A/20…8 AWG	600 V/45 A/20…8 AWG
Voltage/current/conductor size	CSA	–	–

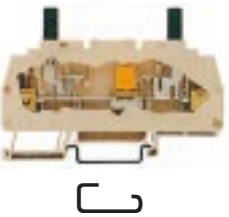
Ordering data		Type	⎽⊐	Qty.	⊏⎽	Qty.	⎽⊐	Qty.	⊏⎽	Qty.
	With socket	Wemid	**101690**	50	**101700**	50				
	without socket	Wemid	**101670**	50	**101680**	50	**101710**	50	**101720**	50

End plate/partition		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	thickness 1.5 mm	WAP WTL	**106830**	20	WAP WTL	**106830**	20
		WTW WTL	**106840**	20	WTW WTL	**106840**	20
Small partition							
		TSch 2	**035366**	100	TSch 2	**035366**	100
Cross-connections							
	2-poles	QL 2	**019430**	50	QL 2	**019430**	50
	3 poles	QL 3	**019440**	50	QL 3	**019440**	50
	4 poles	QL 4	**019450**	50	QL 4	**019450**	50
	10 poles	QL 10	**033830**	20	QL 10	**033830**	20
	WKB	BS M 3x20 Cu	**037710**	100	BS M 3x20 Cu	**037710**	100
		VH 12	**024900**	100	VH 12	**024900**	100
		QS 2	**027096**	20	QS 2	**027096**	20
		QVSK 2	**167036**	20	QVSK 2	**167036**	20
	WKS	QVS 3	**032930**	20	QVS 3	**032930**	20
		QVS 4	**030740**	20	QVS 4	**030740**	20
		BS 25 bare	**033470**	100	BS 25 bare	**033470**	100
		VH 19	**031800**	100	VH 19	**031800**	100
Socket							
Socket Type StB 25 accepts test plug PS 4 in Type WTL 6/1 disconnect terminals or Type QS cross-connection plugs. The Type StB 35 is used to simultaneous testing with inserted cross-connection slides (QVS).		StB 25 yellow	**026720**	50			
		StB 25 green	**027120**	50			
		StB 25 violet	**027130**	50			
		StB 35 green	**038900**	50			
		StB 35 green	**038890**	50			
		StB 35 violet	**038910**	50			
		StB 14	**016990**	50			
Disconnect lock							
Prevents undesired opening of disconnector		SSP 3	**053176**	100			
Test plug							
		5PS 4	**029960**	20	PS 4	**029960**	20
Marking tags	**Print**						
	Consecutive horizontal	FW 8	**127696**	–	FW 8	**127696**	–
	Consecutive vertical	FS 8	**128966**	–	FS 8	**128966**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Disconnector
** 400 V as disconnect terminal

Disconnect test terminal blocks

	WTQ 6/1	WTL 6/2	WTL 6/3/STB
			
Dimensions			
Width/length/height (mm) with TS 32	8/65/52.2	8/87/66.5	8/87/66.5
Width/length/height (mm) with TS 35 x 7.5	8/65/48.2	8/87/61.8	8/87/61.8
Insulation stripping length/clamping screw	12 mm/M 3.5/3*/4.0 x 0.8	-/M 3.5/3*/4.0 x 0.8	-/M 3.5/3*/4.0 x 0.8
Rated data			
Rated voltage/rated current/rated cross-section	400 V/41 A/6 mm²	400 V/41 A/6 mm²	400 V/41 A/6 mm²
Rated impulse voltage VDE 0110/1.89 /pollution severity	6 kV/3	6 kV/3	6 kV/3
Further technical data			
Tightening torque range Nm	0.8...1.6/0.4...0.8*	0.8...1.6/0.4...0.8*	0.8...1.6/0.4...0.8*
Torque setting with DMS2 electric screwdriver	3	3	3
Clampable conductor			
"e" solid H07V-U mm²	0.5…10	0.5…10	0.5…10
"m" stranded H07V-R mm²	1.5…10	1.5…10	1.5…10
"f" flexible H07V-K mm²	0.5…10	0.5…10	0.5…10
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…6	0.5…6	0.5…6
"f" flexible H07V-K and AEH With plastic insul.collarmm²	0.5…6	0.5…6	0.5…6
Gauge pin to 947-1 Size	A 5	A 5	A 5
Continuous current rating of cross-connection 2…5 pole A	(QL 2…5) 47	63	63
Continuous current rating of cross-connection 6…10 pole A	(QL 6…10) 36	63	63
UL/CSA rated data			
Voltage/current/conductor size UL	600 V/45 A/20…8 AWG	600 V/45 A/20…8 AWG	600 V/45 A/20…8 AWG
Voltage/current/conductor size CSA	–	-	–

Ordering data

	Type	WTQ 6/1 Qty.	WTQ 6/1 Qty.	WTL 6/2 Qty.	WTL 6/2 Qty.	WTL 6/3/STB Qty.	WTL 6/3/STB Qty.
With socket	Wemid	**101810** 50	**101820** 50	**101770** 50	**101780** 50	**101860** 50	**101870** 50
without socket	Wemid	**101790** 50	**101800** 50			**101880** 50	**101890** 50

End plate/partition

thickness 1.5 mm

Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
WAP WTL	**106830**	20						
WTW WTL	**106840**	20						

Small partition

TSch 2	**035366**	100						

Cross-connections

WKB

WKS

	WTQ 6/1			WTL 6/2			WTL 6/3/STB		
2-poles	QL 2	**019430**	50	WKS 1/2	**160427**	50	WKS 1/2	**160427**	50
3 poles	QL 3	**019440**	50	WKS 1/3	**160429**	50	WKS 1/3	**160429**	50
4 poles	QL 4	**019450**	50	WKS 1/4	**160431**	50	WKS 1/4	**160431**	50
10 poles	QL 10	**033830**	20						
	BS M 3x20 Cu	**037710**	100						
	VH 12	**024900**	100						
WKB	WKB 1/2	**160428**	50	WQV 6/2	**105236**	50	WQV 6/2	**105236**	50
	WKB 1/3	**160430**	50	WQV 6/3	**105476**	50	WQV 6/3	**105476**	50
WKS	WKB 1/4	**160432**	50	WQV 6/4	**105486**	50	WQV 6/4	**105486**	50
	WKB 1/10	**160433**	20	WQV 6/10	**105226**	20	WQV 6/10	**105226**	20

Socket

Socket Type StB 25 accepts test plug PS 4 in Type WTL 6/1 disconnect terminals or Type QS cross-connection plugs. The Type StB 35 is used to simultaneous testing with inserted cross-connection slides (QVS).

StB 14	**016990**	50				StB 21.6/IH/VI	**107103**	50
						StB 21.6/IH/GR	**107102**	50
						StB 21.6/IH/GR	**107101**	50
						StB 21.6/IH/BE	**107100**	50

Safety plug supplier:
Multi-Contact Deutschland GmbH.
Postf. 1606. 79551 Weil a. Rhein

Disconnect lock

Prevents undesired opening of disconnector

SSP 3	**053176**	100	SSP WTL 6/2	**160420**	100	SSP WTL 6/2	**160420**	100

Test plug

PS 4	**029960**	20	PS 4	**029960**	20	PS 4	**029960**	20

Marking tags — **Print**

Consecutive horizontal	FW 8	**127696**	–	FW 8	**127696**	–	FW 8	**127696**	–
Consecutive vertical	FS 8	**128966**	–	FS 8	**128966**	–	FS 8	**128966**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

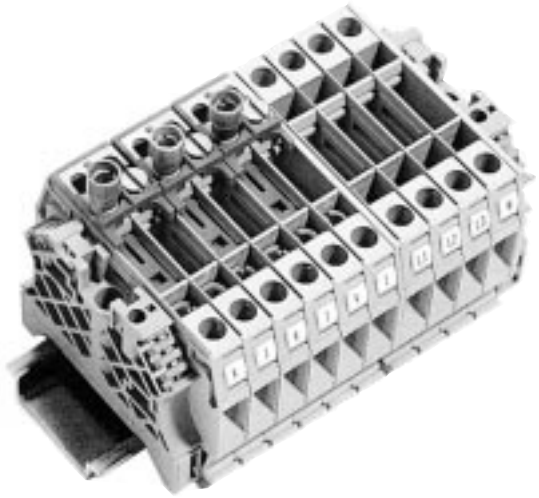
* Disconnector
** 400 V as disconnect terminal

Current transformer circuit configuration with WLT 6/1 and WTD 6/1

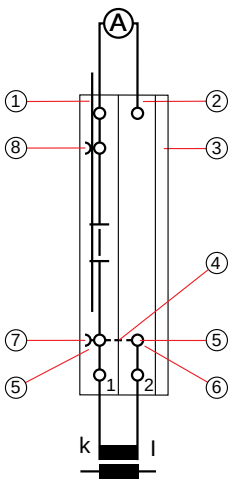
Normal operation

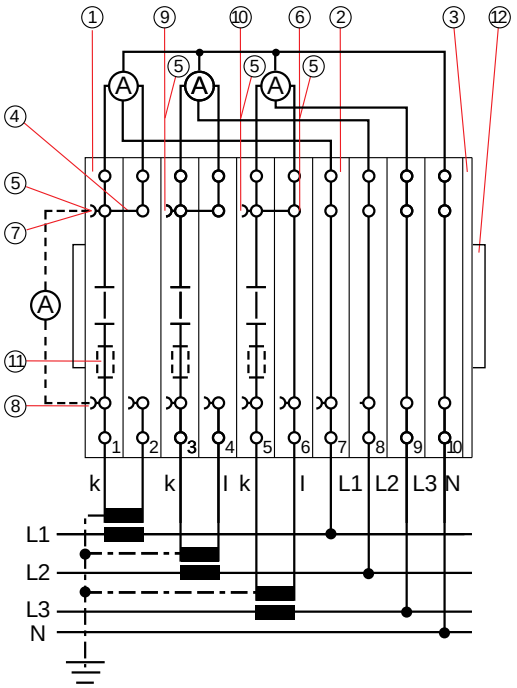
Meter test set with WTL 6/1 and WTD 6/1

Sliding-link terminal and feed-through terminal combination



Current transformers must not be operated with an open circuit on the secondary side. This must be taken into account when changing measuring instruments or for comparative measurements with external instruments. With the WTL 6/1 sliding-link terminal and WTD 6/1 feed-through terminal, diverse circuit configurations can be achieved quickly and clearly.





Pos.	Type	Cat. No.	Qty.
①	WTL 6/1	**101670**	1
②	WTD 6/1	**101710**	1
③	WAP WTL	**106830**	1
④	QVS 2	**030730**	1
⑤	VH 19	**031800**	2
⑥	BS 25	**033470**	1
⑦	StB 35	**038900**	1
⑧	StB 14	**016990**	1

Pos.	Type	Cat. No.	Qty.
①	WTL 6/1	**101670**	3
②	WTD 6/1	**101710**	7
③	WAP WTL	**106830**	1
④	QVS 2	**030730**	3
⑤	VH 19	**031800**	6
⑥	BS 25	**033470**	3
⑦	StB 35 yellow	**038900**	1
⑧	StB 14	**016990**	6
⑨	StB 35 green	**038890**	1
⑩	StB 35 violet	**038910**	1
⑪	SSP 3	**053176**	3
⑫	WEW 35/2	**106120**	2

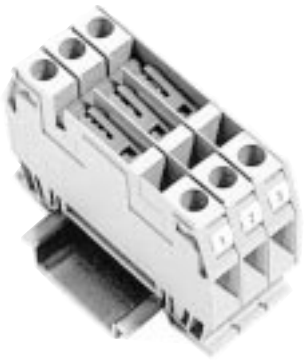
Changing measuring instrument

1. Short-circuit the transformer with the QVS cross connect slide link (the disconnect slide link remains closed).
2. Change the measuring instrument.

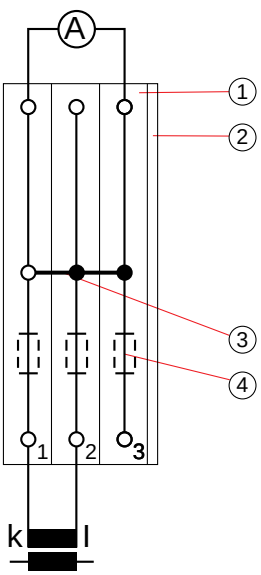
Current measurement with external ammeter

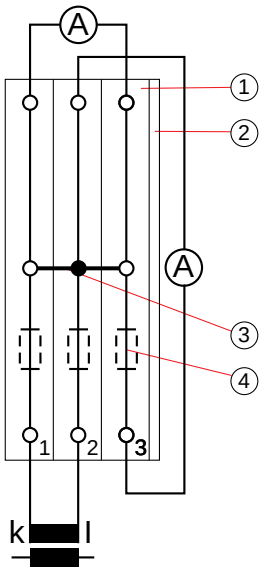
1. Connect a comparison instrument (plug test plug into StB 14 [item 8] and StB 35 [item 7]).
2. Open the disconnect slide link.

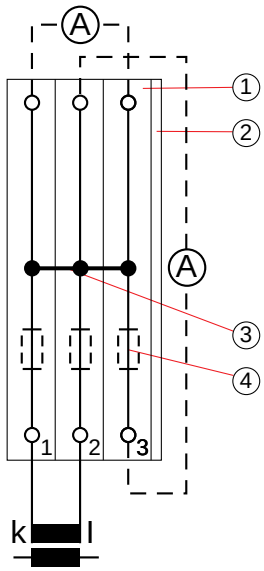
Current transformer circuit configuration with WTQ 6/1



With the WTQ 6/1, current transformer circuit configurations can be achieved quickly and clearly. The SSP 3 switch locking device helps to prevent incorrect operation.







Normal operation

Terminal 1 is separated from the short-circuiting link by the open disconnect slide link; terminals 2 and 3 are short-circuited.

Test instrument connection

1. Connect the test instrument to termals 2 and 3.
2. Remove the SSP 3 switch locking device, then open the disconnect slide link of terminal 3.

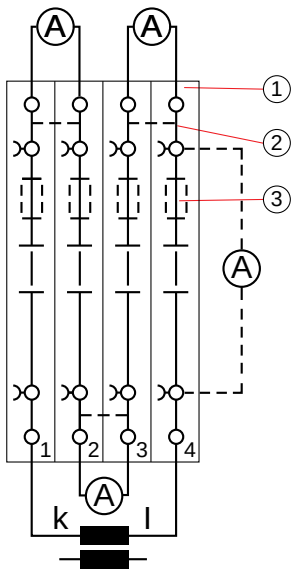
Changing measuring instrument

1. All three terminals are short-circuited via closed disconnect slide links.
2. Change the measuring instrument, remove the test instrument.

Pos.	Type	Cat. No.	Qty.
①	WTQ 6/1	**101790**	3
②	WAP	**106830**	1
③	WKB 1/3	**160430**	1
④	SSP 3	**053176**	3

Current transformer circuit configuration with four WTL 6/2 and staggered short-circuit links

The WTL 6/2 ensures that an ammeter can initially be disconnected when the associated short-circuiting slider is closed, so that the current transformer is short-circuited. In an open condition, the short-circuiting slider prevents actuation of the relevant clamping yoke terminals.



Pos.	Type	Cat. No.	Qty.
①	WTL 6/2	**101770**	4
②	WKS 1/2	**160427**	3
③	SSP WTL	**160420**	4

Changing measuring instrument

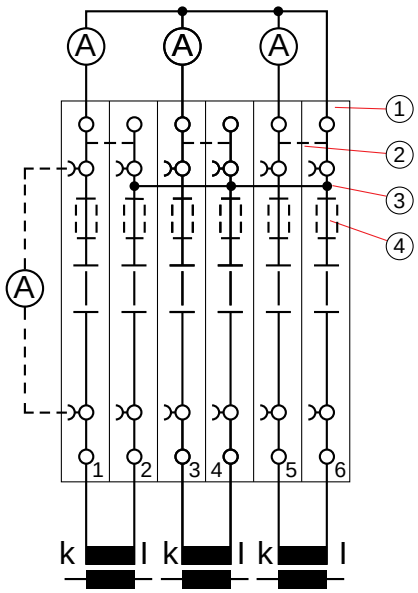
Normal operation: All WKS 1/2 short-circuiting sliders are open.

1. The Short-circuiting slider between terminals 1 and 2 is closed.
2. The clamping yoke screws are released, the ammeter can be disconnected.

Test instrument connection

1. Connect the test instrument to the sockets of terminal 4.
2. Remove the SSP WTL switch locking device, then open the disconnect slide link of terminal 4.

Linked current transformer test circuit



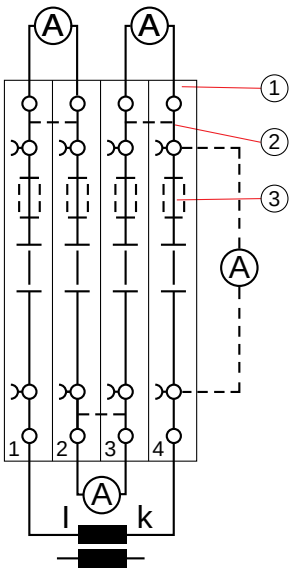
Pos.	Type	Cat. No.	Qty.
①	WTL 6/2	**101770**	6
②	WKS 1/2	**160427**	3
③	WQV 6/10	**105226**	1
④	SSP WTL	**160420**	6

Test instrument connection

1. Connect the test instrument to the sockets of terminal 1.
2. Remove the SSP WTL switch locking device, then open the disconnect slide link of terminal 1.

Current transformer control with 4 WTL 6/3 and staggered arranged short-circuit bridges

The WTL 6/3 ascertains that an ammeter can only be clamped when the necessary short-circuit slider is closed, this means the current transformer has short-circuited. In an open condition the short-circuit slider prevents operations of the allocated yoke connections.



Pos.	Type	Cat. No.	Qty.
①	WTL 6/3	**101860**	4
②	WKS 1/2	**160427**	3
③	SSP WTL	**160420**	4

Change of measuring device

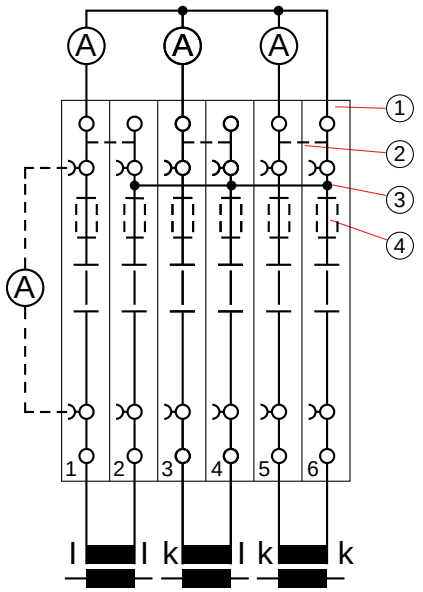
Normal operation: All short-circuit sliders WKS 1/2 are open.

1. The Short-circuit slider WKS between terminals 1 and 2 is being closed.
2. The clamping yoke screws have been released, and the ammeter can now be clamped.

Connection of test device

1. The test device is being connected with the receptacle of terminal 4.
2. The sectionalised disconnect slider of terminal 4 can now be opened; the disconnect lock SSP WTL has to be removed first.

Chained current transformer test plugs



Pos.	Type	Cat. No.	Qty.
①	WTL 6/2	**101770**	6
②	WKS 1/2	**160427**	3
③	WQV 6/10	**105226**	1
④	SSP WTL	**160420**	6

Connection of test device

1. The test device is being connected with the receptacle of terminal 1.
2. The sectionalised disconnect slider of terminal 1 can now be opened; the disconnect lock SSP WTL must be removed first.

* Disconnect element

Feed-through terminals

for retrofitting electrical components

WPO 4

WPE 4

		WPO 4	WPE 4
Dimensions			
Width/length/height (mm)	With TS 32	–	–
Width/length/height (mm)	With TS 35 x 7.5	6/60/47	6/60/47
Insulation stripping length/clamping screw		9 mm/M 3/3.5 x 0.6	10 mm/M 3/3.5 x 0.6
Rated data IEC 947-7-1			
Rated voltage/rated current/rated cross-section		250 V/32 A/4 mm²	- V/- A/4 mm²
Rated impulse voltage VDE 0110/1.89 /pollution severity		4 kV/3	
Further technical data			
Tightening torque range	Nm	0.5...1.0	0.5...1.0/0.5...1.0*
Torque setting with DMS2 electric screwdriver		2	1/1
Clampable conductor			
"e" solid H07V-U	mm²	0.5…4	0.5…6
"m" stranded H07V-R	mm²	1.5…4	1.5…6
"f" flexible H07V-K	mm²	0.5…4	0.5…6
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…4	0.5…4
"f" flexible H07V-K and AEH With plastic insul.collar	mm²	0.5…4	0.5…4
Gauge pin to 947-1	Size	A 3	A 4
Wire diameter electrical component	mm	0.8...1.0 mm	
UL/CSA rated data			
Voltage/current/conductor size	UL		
	CSA		

Ordering data	**Type**	Cat.No.	Qty.	Cat.No.	Qty.
	Wemid	**103600**	50	**101010**	100

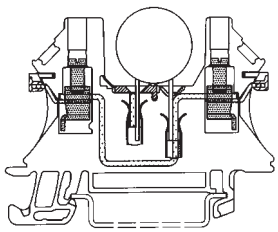
Barrier

thickness 2.5 mm

Type	Cat.No.	Qty.
ZR	**107110**	20

Busbar

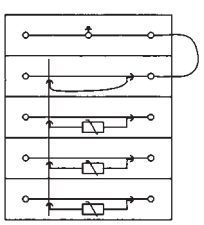
SSch 7.3x1.2	**107120**	1 m



WPO 4 with fitted varistor

Weidmüller varistor terminals have been designed for retrofitting electronic components, e. g. varistors, diodes, gas discharge tubes, etc. These "electronic terminals" no longer have to be configured prior installation to subsequently be delivered with soldered components which can no longer be distinguished. The significant advantages of this new design are:

- **Cost saving:**
- Components can be changed quickly on site
- Service is limited to visual inspection
- **Clarity**
- Components are easy to distinguish
- **Flexibility:**
- Components can immediately be adapted to changed conditions
- **Note:**
  Never change electric components in energised systems



Overvoltages in a three-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.

Marking tags	**Print**				
1 2 3 4 5 6	Consecutive horizontal	FW 6	**046866**	FW 6	**046866**
	Consecutive vertical	FS 6	**047356**	FS 6	**047356**

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Applies to Middle Screw

Fuse terminal blocks

Note:
When fuse is defective the circuit is still live. The circuit is broken by opening the lever.

WSI 6
for metric fuses

WSI 6 With LED-Display
for metric fuses
for **AC /DC see note**

WSI 6 With 2 LED's
for metric fuses
for **AC/DC see note**

WSI 6/2*
for **inch fuses**

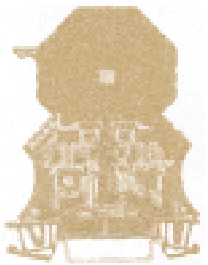
Dimensions														
Width/length/height (mm)	With TS 32 ⊏⎽⊐		–			–			–			–		
Width/length/height (mm)	With TS 35 x 7.5 ⊐⎽⊏		8/60/60			8/60/70			8/60/70			12/60/67		
Insulation stripping length/clamping screw			12 mm/M 3.5/4.0 x 0.8			12 mm/M 3.5/4.0 x 0.8			12 mm/M 3.5/4.0 x 0.8			12 mm/M 3.5/4.0 x 0.8		
Rated data for lower part of terminal														
Rated voltage/rated current/rated cross-section			500 V/6.3 A**/6 mm²			500 V/6.3 A**/6 mm²			500 V/6.3 A**/6 mm²			500 V/6.3 A**/6 mm²		
Rated impulse voltage VDE 0110/1.89 /pollution severity			6 kV/3			6 kV/3			6 kV/3			6 kV/3		
Further technical data														
Tightening torque range		Nm	0.8…1.6			0.8…1.6			0.8…1.6			0.8…1.6		
Torque setting with DMS2 electric screwdriver			3			3			3			3		
Clampable conductor														
"e"	solid H07V-U	mm²	0.5…10			0.5…10			0.5…10			0.5…10		
"m"	stranded H07V-R	mm²	1.5…10			1.5…10			1.5…10			1.5…10		
"f"	flexible H07V-K	mm²	0.5…10			0.5…10			0.5…10			0.5…10		
"f"	flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…6			0.5…6			0.5…6			0.5…6		
"f"	flexible H07V-K and AEH With plastic insul.collar	mm²	0.5…6			0.5…6			0.5…6			0.5…6		
Gauge pin to 947-1		Size	A 5			A 5			A 5			A 5		
Continuous current rating of cross-connection	2-poles	A												
Continuous current rating of cross-connection	multipole	A	26			26			26			26		
UL/CSA rated data														
Voltage/current/conductor size		UL	600 V/10 A/20…8 AWG			600 V/10 A/20…8 AWG			600 V/10 A/20…8 AWG			600 V/20 A/20…8 AWG		
Voltage/current/conductor size		CSA	300 V/10 A/20…8 AWG			300 V/10 A/20…8 AWG			24 V/10 A/20…8 AWG			600 V/16 A/20…8 AWG		
Ordering data	**Type**		⊐⎽⊏	Cat.No.	Qty.	⊐⎽⊏	Cat.No.	Qty.	⊐⎽⊏	Cat.No.	Qty.	⊐⎽⊏	Cat.No.	Qty.
				101100	50	12Vdc/24Vac	**101130**	50	24 V–	**101270**	50		**101400**	25
		Wemid				20-30Vdc/40-60Vac	**101220**	50						
		Wemid				40-60Vdc/80-120Vac	**101230**	50						
		Wemid	dis.term w/contact sleeve	**102820**	50	115Vdc/230Vac	**101240**	50						
Partition/End plate			Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	WTW		WAP	**105000**	50	WAP	**105000**	50	WAP	**105000**	50	WAP	**105000**	50
			WTW 2.5-10	**105010**	20	WTW 2.5-10	**105010**	20	WTW 2.5-10	**105010**	20	WTW 2.5-10	**105010**	20
	WAP		Install partition after last WSI 6			install partition after last WSI 6			install partition after last WSI 6			install partition after last WSI 6		
	thickness 1.5 mm	thickness 1.5 mm												
Cross-connection														
		QL 2–10	QL 2	**019430**	50	QL 2	**019430**	50	QL 2	**019430**	50	QL 2	**047070**	50
			QL 3	**019440**	50	QL 3	**019440**	50	QL 3	**019440**	50	QL 3	**047080**	50
			QL 4	**019450**	50	QL 4	**019450**	50	QL 4	**019450**	50	QL 4	**047090**	50
			QL 10	**033830**	20	QL 10	**033830**	20	QL 10	**033830**	20	QL 10	**047100**	20
		BS	BS-M 3x5	**105210**	100	BS-M 3x5	**105210**	100	BS-M 3x5	**105210**	100	BS-M 3x5	**105210**	100
		PS	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20
		Notching tool WAW 2 for QL	WAW 2	**900451**	1	WAW 2	**900451**	1	WAW 2	**900451**	1	WAW 2	**900451**	1
G fuse cartridges 5x25 mm with indicator* **														
to DIN 41 576	Rated current (A):	0.2 med.blow		**054690**	10		**054690**	10		**054690**	10	Fuse cartridge		
Rated voltage 250 V		0.5 med.blow		**051030**	10		**051030**	10		**051030**	10	1/4"x1 1/4" (6.3x32)		
		0.8 med.blow		**064640**	10		**064640**	10		**064640**	10	Rated voltage 440 V		
		1 med.blow		**026580**	10		**026580**	10		**026580**	10	E 2 A	**029450**	10
		10 med.blow		**019310**	10		**019310**	10		**019310**	10	E 3 A	**029570**	10
		2 rapid blow		**019270**	10		**019270**	10		**019270**	10	E 5 A	**029460**	10
		4 rapid blow		**019280**	10		**019280**	10		**019280**	10	E 7 A	**029580**	10
		6.3 rapid blow		**019290**	10		**019290**	10		**019290**	10	E 10 A	**029390**	10
G fuse cartridges 5 x 20 mm* **														
to DIN 41 660 IEC 127 BL 1	Rated current (A):	0.10 rapid blow		**043030**	10		**043030**	10		**043030**	10	G-fuses		
Rated voltage 250 V		0.20 rapid blow		**043040**	10		**043040**	10		**043040**	10	1/4"x1" (6.3 x 25)		
Switching capacity 1500 A		0.25 rapid blow		**043050**	10		**043050**	10		**043050**	10	(250 V 0.05…6.3 A)		
(at 250 V. 50 Hz. cos φ = 0.7) 0.50		rapid blow		**043060**	10		**043060**	10		**043060**	10			
		1.0 rapid blow		**043070**	10		**043070**	10		**043070**	10			
		1.6 rapid blow		**043080**	10		**043080**	10		**043080**	10			
		2.0 rapid blow		**043090**	10		**043090**	10		**043090**	10			
		2.5 rapid blow		**043100**	10		**043100**	10		**043100**	10			
G fuse cartridges 5 x 30 mm* **														
		3.15 rapid blow		**043110**	10		**043110**	10		**043110**	10			
(500 V~/0.032…6.3 A).		4.0 rapid blow		**043120**	10		**043120**	10		**043120**	10			
Available from . Wickmann-Werke GmbH.		5.0 rapid blow		**043130**	10		**043130**	10		**043130**	10			
Annenstr. 113. 58453 Witten. Tel. 02302/66206.3		rapid blow		**043140**	10		**043140**	10		**043140**	10			
Marking tags	**Print**													
		Consecutive horizontal	FW	**047346**	–	FW	**047346**	–	FW	**047346**	–	FW	**047346**	–
		Consecutive vertical	FS	**047356**	–	FS	**047356**	–	FS	**047356**	–	FS	**047356**	–
Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section														

***Note power loss of fuse cartridge up to 1.6 Watt

** max. power loss 1.6 Watt

* Rated thermal current to VDE 0611 = 6.3 A when used as a short-circuit fuse up to 15 A

WSI 6/2* With LED for VAC/VDC inch fuses



–

12/60/79

12 mm/M 3.5/4.0 x 0.8

500 V/6.3 A**/6 mm²

6 kV/3

0.8…1.6

3

0.5…10

1.5…10

0.5…10

0.5…6

0.5…6

A 5

26

600 V/16 A/20…8 AWG

10–220 V/16 A/20…8 AWG

	Cat.No.	Qty.
14 V–/10-28 V~	**101410**	25
15-30 V–/30-60 V~	**101420**	25
40-60 V–/80-120 V~	**101430**	25
110 V–/220 V~	**101440**	25

Type	Cat.No.	Qty.
WAP	**105000**	50
WTW 2.5-10	**105010**	20

install partition after last WSI 6

QL 2	**047070**	50
QL 3	**047080**	50
QL 4	**047090**	50
QL 10	**047100**	20
BS-M 3x5	**105210**	100
PS 2.3	**018040**	20
WAW 2	**900451**	–

Rated voltage 440 V

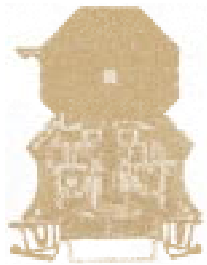
Fuse cartridge 1/4" x 1 1/4" (6.3 x 32)

Rated voltage 440 V

E 2 A	**029450**	10
E 3 A	**029570**	10
E 5 A	**029460**	10
E 7 A	**029580**	10
E 10 A	**029390**	10

FW	**047346**	–
FS	**047356**	–

WSI 6/2* With 2 LED's for VDC inch fuses only



–

12/60/79

12 mm/M 3.5/4.0 x 0.8

500 V/6.3 A**/6 mm²

6 kV/3

0.8…1.6

3

0.5…10

1.5…10

0.5…10

0.5…6

0.5…6

A 5

26

600 V/16 A/20…8 AWG

24 V/16 A/20…8 AWG

	Cat.No.	Qty.
24 V–	**101450**	25

Type	Cat.No.	Qty.
WAP	**105000**	50
WTW 2.5-10	**105010**	20

install partition after last WSI 6

QL 2	**047070**	50
QL 3	**047080**	50
QL 4	**047090**	50
QL 10	**047100**	20
BS-M 3x5	**105210**	100
PS 2.3	**018040**	20
WAW 2	**900451**	

Rated voltage 440 V

Fuse cartridge 1/4" x 11/4" (6.3 x 32)

Rated voltage 440 V

E 2 A	**029450**	10
E 3 A	**029570**	10
E 5 A	**029460**	10
E 7 A	**029580**	10
E 10 A	**029390**	10

FW	**047346**	–
FS	**047356**	–

Feed-through terminals

Dimensions

Width/length/height (mm) With TS 32 8

Width/length/height (mm) With TS 35 x 7.5 6

Insulation stripping length/clamping screw

Rated data

Rated impulse voltage/rated current/rated cross-section

Rated impulse voltage/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS2 electric screwdriver

Clampable conductor

"e"	solid H07V-U	mm²
"m"	stranded H07V-R	mm²
"f"	flexible H07V-K	mm²
"f"	flexible H07V-K and AEH DIN 46 228/1	mm²
"f"	flexible H07V-K and AEH With plastic insul.collar	mm²

Gauge pin to 947-1 Size

Continuous current rating of Cross-connection 2-poles A

Continuous current rating of cross-connection multipole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data **Type**

Wemid

Partition/End plate

WTW thickness 1.5 mm

WAP thickness 1.5 mm

Cross-connection

WQV

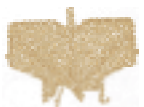
Screen lug LS 2.8 WQB

Notching tool WAW

Test adaptor

Insulating sleeves

Cover

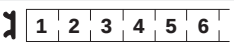


Group marking

T 5

WT 4

Marking tags **Print**

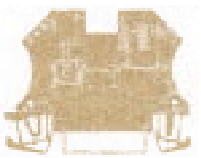


Consecutive horizontal

Consecutive vertical

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

WDU 2.5 F



–

5/60/47

10 mm/M 2.5/3.5 x 0.6

500 V m. IH/12 (2x6) A / 2.5/1mm²

6 kV/3

0.4...0.8

1

0.5…4

0.5…2.5

0.5…2.5

0.5…2.5

0.5…2.5

A 3

35

35

300 V/16 A/22…12 AWG

300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	102180	100

Type	Cat.No.	Qty.
WAP 2.5-10	**105000**	50
WAP 2.5-10	**105008**	50
WTW 2.5-10	**105010**	20
WTW 2.5-10	**105018**	20

WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
WQB B/24	**157906**	20
LS 2.8	**105640**	50
WAW 1	**900450**	–

TA 1	**053586**	20

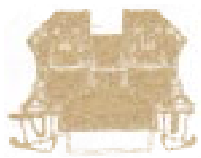
IH 2.8	**038606**	100

ADP 2	**048530**	1 m
HP 2	**048566**	20

T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000

FW	**047346**	–
FS	**047356**	–

WDU 2.5 FF



–

5/60/47

10 mm/-

500 V m. IH/12 (2x6) A/1 mm²

6 kV/3

-

-

–

0.5…1

–

–

–

35

35

300 V/16 A/22…12 AWG

300 V/10 A/26…12 AWG

	Cat.No.	Qty.
	102190	100

Type	Cat.No.	Qty.
WAP 2.5-10	**105000**	50
WAP 2.5-10	**105008**	50
WTW 2.5-10	**105010**	20
WTW 2.5-10	**105018**	20

WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
LS 2.8	**105640**	50
WAW 1	**900450**	–

TA 1	**053586**	20

IH 2.8	**038606**	100

ADP 2	**048530**	1 m
HP 2	**048566**	20

WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000

FW	**047346**	–
FS	**047356**	–

Feed-through terminals

	WDK 2.5 F	WDK 2.5 FV	WDK 2.5 FF	WDK 2.5 FFV
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	–	–	–	–
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	5/69/63	5/69/63	5/75/63	5/75/63
Insulation stripping length/clamping screw	10 mm/M 2.5/3.5 x 0.6	10 mm/M 2.5/3.5 x 0.6	–/–/–	–/–/–
Rated data				
Rated voltage/rated current/rated cross-section	400 V m. IH/12 (2x6) A/2.5/1 mm²	400 V m. IH/12 (2x6) A/2.5/1 mm²	500 V m. IH/12 (2x6) A/1 mm²	500 V m. IH/12 (2x6) A/1 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.4...0.8	0.4...0.8		
Torque setting with DMS2 electric screwdriver	1	1		
Clampable conductor				
"e" solid H07V-U mm²	0.5…4/1	0.5…4/1	–	–
"m" stranded H07V-R mm²	1.5…2.5	1.5…2.5	–	–
"f" flexible H07V-K mm²	0.5…2.5	0.5…2.5	0.5…1	0.5…1
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…2.5	–	–
"f" flexible H07V-K and AEH With plastic insul.collar mm²	0.5…2.5	0.5…2.5	–	–
Gauge pin to 947-1 Size	A 3	A 3		
Continuous current rating of Cross-connection 2-poles A	35	35	35	35
Continuous current rating of cross-connection multipole A	35	35	35	35
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG
Ordering data **Version**	⊐⊏ Cat.No. Qty.	⊐⊏ Cat.No. Qty.	⊐⊏ Cat.No. Qty.	⊐⊏ Cat.No. Qty.
Wemid	**102160** 100	**102240** 100	**102170** 100	**102250** 100
Wemid				
Wemid				
Wemid				
blue Wemid	**102168** 100		**102178** 100	
End plate/Partition	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
WAP (thickness 3 mm) Wemid	WAP **105910** 20	WAP **105910** 20	WAP **105910** 20	WAP **105910** 20
WAP 2.5 (thickness 1.5 mm) blue Wemid	WAP **105918** 20		WAP **105918** 20	
WTW (thickness 1.5 mm) Wemid	WTW (Ex) e **105880** 20	WTW (Ex) e **105880** 20	WTW (Ex) e **105880** 20	WTW (Ex) e **105880** 20
Wemid				
Cross-connection				
WQV Screen lug LS 2.8	WQV 2.5/2 **105366** 50	WQV 2.5/2 **105366** 50	WQV 2.5/2 **105366** 50	WQV 2.5/2 **105366** 50
	WQV 2.5/3 **105376** 50	WQV 2.5/3 **105376** 50	WQV 2.5/3 **105376** 50	WQV 2.5/3 **105376** 50
	WQV 2.5/4 **105386** 50	WQV 2.5/4 **105386** 50	WQV 2.5/4 **105386** 50	WQV 2.5/4 **105386** 50
	WQV 2.5/10 **105446** 20	WQV 2.5/10 **105446** 20	WQV 2.5/10 **105446** 20	WQV 2.5/10 **105446** 20
	WQB A/24 **157900** 20	WQB A/24 **157900** 20		
	LS 2.8 **105640** 50	LS 2.8 **105640** 50	LS 2.8 **105640** 50	LS 2.8 **105640** 50
Notching tool WAW 1 for WQV	WAW 1 **900450** –	WAW 1 **900450** –	WAW 1 **900450** –	WAW 1 **900450** –
Test adaptor				
WTA TA 1	TA 1 **053586** 20	TA 1 **053586** 20	TA 1 **053586** 20	TA 1 **053586** 20
Strain relief				
Crimping tool	PZS 4 H **901270** –			
Test plug/ sockets/ insulating sleeves				
PS 2.3 StB 8.5 IInsulating sleeves	IH 2.8 **038606** 100	IH 2.8 **038606** 100	IH 2.8 **038606** 100	IH 2.8 **038606** 100
Cover				
	ADP 3 **048540** 1 m	ADP 3 **048540** 1 m	ADP 3 **048540** 1 m	ADP 3 **048540** 1 m
	HP 3 **048576** 20	HP 3 **048576** 20	HP 3 **048576** 20	HP 3 **048576** 20
WAD With Symbol				
WAD white for self-labelling				
Group marking				
WT 4 T 5 WGB	WT 4 **134106** 100	WT 4 **134106** 100	WT 4 **134106** 100	WT 4 **134106** 100
	SF 10 **033240** 1000	SF 10 **033240** 1000	SF 10 **033240** 1000	SF 10 **033240** 1000
	SG 10 **033250** 1000	SG 10 **033250** 1000	SG 10 **033250** 1000	SG 10 **033250** 1000
Tag carrier for S 10 markers				
Marking tags **Print**				
Consecutive horizontal	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –
Consecutive vertical	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

WDK 2.5 T

–
5/69/63/78
10 mm/M 2.5/3.5 x 0.6

125 V/10 A/2.5 mm²
2.5 kV/3

0.4...0.8
1

0.5…4
1.5…4
0.5…4
0.5…2.5
0.5…2.5
A 3
35
35

–
–

	Cat.No.	Qty.
right pin 0.8x1.6 se	**102380**	100
right pin 0.8x2.4 se	**102390**	100

Type	Cat.No.	Qty.
WAP	**105910**	20
WAP	**105918**	20
WTW (Ex)e	**105880**	20
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	50
LS 2.8	**105640**	50
WAW 1	**900450**	–
TA 1	**053586**	20
WTA 5/1	**105126**	25
PS 2.3 (ø 2.3)	**018040**	20
StB 8.5 (ø 2.3)	**021570**	50
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WDU 2.5 T

–
5/60/47/70
10 mm/M 2.5/3.5 x 0.6

125 V/10 A/2.5 mm²
2.5 kV/3

0.4...0.8
1

0.5…4
1.5…4
0.5…4
0.5…2.5
0.5…2.5
A 3
35
35

300 V/20 (2x10) A/26…16 AWG
–

	Cat.No.	Qty.
left pin 1x1	**102200**	100
right pin 1x1	**102270**	100
left pin 0.8x2.4 se	**102120**	100
left pin 0.8x2.4 wa	**103690**	100

Type	Cat.No.	Qty.
WAP 2.5-10	**105000**	50
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	50
LS 2.8	**105640**	50
WAW 1	**900450**	–
WTA 5/1	**105126**	25
PS 2.3 (ø 2.3)	**018040**	20
StB 8.5 (ø 2.3)	**021570**	50
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WDU 2.5 L

–
5/60/64/47
10 mm/M 2.5/3.5 x 0.6

400 V/15 A/2.5/1.5 mm²
6 kV/3

0.4...0.8
1

0.5…4/1.5
0.5/1.5…4/1.5
0.5…4/1.5
0.5…2.5
0.5…2.5
A 3
35
35

–
–

	Cat.No.	Qty.
	102210	100

Type	Cat.No.	Qty.
WAP 2.5-10	**105000**	50
WAP 2.5-10	**105008**	50
WTW 2.5-10	**105010**	20
WTW 2.5-10	**105018**	20
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	50
LS 2.8	**105640**	50
WAW 1	**900450**	–
WTA 2	**163232**	50
WTA 2/ZA	**163233**	50
WTA 2/10	**163234**	5
ZE 1	**163215**	50
PS 2.3 (ø 2.3)	**018040**	20
StB 8.5 (ø 2.3)	**021570**	50
WAD 5	**105346**	50
WAD 5 white	**105606**	50
WGB 5	**105076**	50
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WDU 2.5 LL

–
5/60/64/47
-

400 V/15 A/1.5 mm²
6 kV/3

0.5…1.5
1.5
0.5…1.5
35
35

–
–

	Cat.No.	Qty.
	102220	100

Type	Cat.No.	Qty.
WAP 2.5-10	**105000**	50
WAP 2.5-10	**105008**	50
WTW 2.5-10	**105010**	20
WTW 2.5-10	**105018**	20
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	50
LS 2.8	**105640**	50
WAW 1	**900450**	–
WTA 2	**163232**	50
WTA 2/ZA	**163233**	50
WTA 2/10	**163234**	5
ZE 1	**163215**	50
PS 2.3 (ø 2.3)	**018040**	20
StB 8.5 (ø 2.3)	**021570**	50
WAD 5	**105346**	50
WAD 5 white	**105606**	50
WGB 5	**105076**	50
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WTR 2.5 L

–
5/60/64/47
10 mm/M 2.5/3.5 x 0.6

400 V/14 A/2.5/1.5 mm²
6 kV/3

0.4...0.8
1

0.5…4/1.5
0.5/1.5…4/1.5
0.5…4/1.5
0.5…2.5
0.5…2.5
A 3
35
35

–
–

	Cat.No.	Qty.
	101380	100

Type	Cat.No.	Qty.
WAP 2.5-10	**105000**	50
WAP 2.5-10	**105008**	50
WTW 2.5-10	**105010**	20
WTW 2.5-10	**105018**	20
QL 2	**021586**	100
QL 3	**021590**	100
QL 4	**021600**	50
QL 10	**033800**	20
BS-M 2.5x4.5	**106270**	100
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW 5	**047346**	–
FS 5	**047356**	–

WTR 2.5 LL

–
5/60/64/47
-

400 V/14 A/1.5 mm²
6 kV/3

0.5…1.5
1.5
0.5…1.5
35
35

–
–

	Cat.No.	Qty.
	101390	100

Type	Cat.No.	Qty.
WAP 2.5-10	**105000**	50
WAP 2.5-10	**105008**	50
WTW 2.5-10	**105010**	20
WTW 2.5-10	**105018**	20
QL 2	**021586**	100
QL 3	**021590**	100
QL 4	**021600**	50
QL 10	**033800**	20
BS-M 2.5x4.5	**106270**	100
T 5	**034850**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
FW	**047346**	–
FS	**047356**	–

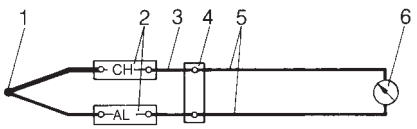
Terminal blocks for temperature measuring circuits

WDU 2.5/TC

Weidmüller thermocouple terminals are specially designed to transmit very small voltages in Temperature Measuring Circuits. Special busbars ensure that no false signals are transmitted in the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in an aircraft engine performance test rigs, complicated chemical processes, controllers, etc.

- Busbar material corresponds to thermal and compensating conductors
- Clear and thermocouple marking
- 2-pole blocks per thermocouple
- Stacking width: 10 mm

Configuration of a temperature measuring circuit



1 Thermocouple (sensor)
2 Thermocouple terminals
3 Compensating conductor
4 Reference junction
5 Supply conductors (to and from)
6 Measuring instrument

The thermocouple terminals shown in this measuring circuit thermoelectrically transmit thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature circuit.

Technical Data

Thermocouples to IEC 584 (DIN 43 710)

	Busbar
Typ E Ni/Cr + / Cu/Ni -	Cromel / Constanton
Typ B S-Cu + / E-Cu -	S-Copper / E-Copper
Typ K Ni/Cr + / Ni -	Cromel / Alumel
Typ T E-Cu + / Cu/Ni -	E-Copper / Constanton
Typ J Fe + / Cu/Ni -	Iron / Constanton
Typ S R E-Cu + / A-Cu -	E-Copper / A-Copper

Dimensions				
Width/length/height (mm)	With TS 32 ⊏		–	
Width/length/height (mm)	With TS 35 x 7.5 ⊓		10/60/50.5	
Insulation stripping length/clamping screw			10 mm/M 2.5/3.5 x 0.6	
Rated data				
Rated voltage/rated current/rated cross-section			–/–/2.5 mm²	
Rated impulse voltage VDE 0110/1.89/pollution severity				
Further technical data				
Tightening torque range		Nm	0.4...0.8	
Torque setting with DMS2 electric screwdriver			1	
Clampable conductor				
"e" solid H07V-U		mm²	0.5…2.5	
"m" stranded H07V-R		mm²	1.5…2.5	
"f" flexible H07V-K		mm²	0.5…2.5	
"f" flexible H07V-K and AEH DIN 46 228/1		mm²	0.5…2.5	
"f" flexible H07V-K and AEH With plastic insul.collar		mm²	0.5…2.5	
Gauge pin to 947-1		Size	A 2	
Continuous current rating of cross-connection	2-poles	A		
Continuous current rating of cross-connection	multipole	A		
UL/CSA rated data				
Voltage/current/conductor size		UL	300 V/20 A/22…12 AWG	
Voltage/current/conductor size		CSA	–	

Ordering data	**Version**		⊓ Cat.No.	Qty.
for Thermocouples	Type K	NiCr – Ni	**102410**	50
to IEC 584	Type T	Cu – CuNi	**102420**	50
(DIN 43710)	Type J	Fe – CuNi	**102430**	50
	Type S u. RPT	10% – Pt Rh/PT 13% – Pt Rh	**102440**	50
	Type B	Pt 30% Rh – Pt 6% Rh	**103370**	50
	Type E	NiCr – CuNi	**103330**	50

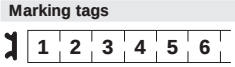
End plate/Partition

		Type	Cat.No.	Qty.
WAP (thickness 1.5 mm)	Wemid	WAP 2.5-10	**105000**	50
WTW (thickness 1.5 mm)	Wemid	WTW 2.5-10	**105010**	20

Marking tags	**Print**			
1 2 3 4 5 6	Consecutive horizontal	FW 5	047346	–
	Consecutive vertical	FS 5	047356	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Feed-through terminals with WSA plug adaptor

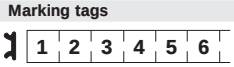
	WDU 4 SA	WDU 4 SQ	DUSA 4
Dimensions			
Width/length/height (mm) With TS 32 ⊏⊐	–	–	–
Width/length/height (mm) With TS 35 x 7.5 ⊓⊔	6/60/47	6/60/47	6/66/40
Insulation stripping length/clamping screw	10 mm/M 3/3.5 x 0.6	10 mm/M 3/3.5 x 0.6	10 mm/M 2.5/3.5 x 0.6
Rated data			
Rated voltage/rated current/rated cross-section	400 V/34 A/4 mm²	400 V/10 A/4 mm²	750 V~/34 A/4 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	6 kV/3	8 kV/3
Further technical data			
Tightening torque range Nm	0.5...1.0	0.5...1.0	0.4...0.8
Torque setting with DMS2 electric screwdriver	2	2	1
Clampable conductor			
"e" solid H07V-U mm²	0.5…6	0.5…6	0.5…6
"m" stranded H07V-R mm²	1.5…6	1.5…6	1.5…6
"f" flexible H07V-K mm²	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K and AEH With plastic insul.collar mm²	0.5…4	0.5…4	0.5…4
Gauge pin to 947-1 Size	A 4	A 4	A 3
Continuous current rating of Cross-connection 2-poles A		46	46
Continuous current rating of Cross-connection multipole A		46	46
UL/CSA rated data			
Voltage/current/conductor size UL	300 V/25 A/22…12 AWG	300 V/10 A/22…12 AWG	600 V/20 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/–/22…12 AWG	300 V/10 A/22…12 AWG	600 V/–/22…12 AWG
Ordering data Type	⊓⊔ Cat.No. Qty.	⊓⊔ Cat.No. Qty.	⊓⊔ Cat.No. Qty.
	102110 100	**102280** 100	**040216**[7][5] 100
	blue **102118** 100	green **102285** 100	green **040215**[7][5] 100
			green **052685**[8][6] 50
			040196[7][6] 50
			052686[8][6] 50
End plate	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
WAP (1.5 mm thick) AP	WAP 2.5-10 **105000** 50	AP/WDU 4 SQ **105970** 20	AP **040136** 20
	WAP 2.5-10 **105008** 50		
Partition			
WTW (thickness 1.5 mm)	WTW 2.5-10 **105010** 20	WTW 2.5-10 **105010** 20	
	WTW 2.5-10 **105018** 20	WTW 2.5-10 **105018** 20	
Cross-connection			
WQV Screen lug LS 2.8		WQV 4/2 **105196** 50	WQV 4/2 **105196** 50
		WQV 4/3 **105456** 50	WQV 4/3 **105456** 50
		WQV 4/4 **105466** 50	WQV 4/4 **105466** 50
		WQV 4/10 **105206** 20	WQV 4/10 **105206** 20
	LS 2.8 **105640** 50	LS 2.8 **105640** 50	
Plug adaptor WSA 2			
380 V~/10 A/1.5 mm² Version with Crimp connection	WSA 21 **050236**[3] 20	WSA 21 **050236**[3] 20	WSA 21 **050236**[3] 20
	WSA 22 **052976**[3] 20	WSA 22 **052976**[3] 20	WSA 22 **052976**[3] 20
green	WSA 22 **052965**[3] 20	WSA 22 **052965**[3] 20	WSA 22 **052965**[3] 20
	WSA 22 **052956**[4] 20	WSA 22 **052956**[4] 20	WSA 22 **052956**[4] 20
Version with	WSA 2 TOP1 **133396**[3] 20	WSA 2 TOP1 **133396**[3] 20	WSA 2 TOP1 **133396**[3] 20
screw connection	WSA 2 TOP2 **133386**[3] 20	WSA 2 TOP2 **133386**[3] 20	WSA 2 TOP2 **133386**[3] 20
TOP system green	WSA 2 TOP2 **133405**[3] 20	WSA 2 TOP2 **133405**[3] 20	WSA 2 TOP2 **133405**[3] 20
	WSA 2 TOP2 **133376**[4] 20	WSA 2 TOP2 **133376**[4] 20	WSA 2 TOP2 **133376**[4] 20
Covers			
3	AH 2/3 **053166** 20	AH 2/3 **053166** 20	AH 2/3 **053166** 20
4	AH 2/4 **040536** 20	AH 2/4 **040536** 20	AH 2/4 **040536** 20
5	AH 2/5 **040556** 20	AH 2/5 **040556** 20	AH 2/5 **040556** 20
8	AH 2/8 **040576** 20	AH 2/8 **040576** 20	AH 2/8 **040576** 20
10	AH 2/10 **040596** 20	AH 2/10 **040596** 20	AH 2/10 **040596** 20
12	AH 2/12 **040616** 20	AH 2/12 **040616** 20	AH 2/12 **040616** 20
Crimp contact 0.5–1.5 mm2			
Individual	C 1 E/L* **019850** 200		C 1 E/L* **019850** 200
Continuous strip on reel	C 1 R/L **019900** –		C 1 R/L **019900** –
Marking tags **Print**			
 Consecutive horizontal	FW 6 **046866** –	FW 6 **046866** –	FW 6 **046866** –
Consecutive vertical	FS 6 **046876** –	FS 6 **046876** –	FS 6 **046876** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Crimping tool Type CZ 22E **056040**

[1]) With hook [2]) Without hook [3]) With dovetail [4]) Without dovetail [5]) Without pin [6]) With pin [7]) With spring [8]) Without spring

Feed-through terminal blocks for BLA/BLZ connectors

	WDU 1.5/BLA	WDU 1.5/LD/BLA With red LED	WDU 1.5/R/BLA Negative return conductor in blue	WDK 2.5/BLA R 5.08 250 V
Dimensions				
Width/length/height (mm) With TS 32 ⊏⎓	–	–	–	5.08/58/60.5/71*
Width/length/height (mm) With TS 35 x 7.5 ⊐⎓	5.08/45.4/57.5*/45.0/55.5*	5.08/45.4/57.5*/45.0/55.5*	5.08/45.4/57.5*/45.0/55.5*	5.08/58/53/63.5*
Insulation stripping length/clamping screw	10 mm/M 2.5/3.5 x 0.6	10 mm/M 2.5/3.5 x 0.6	10 mm/M 2.5/3.5 x 0.6	12 mm/M 2.5/3.5 x 0.6
Rated data				
Rated voltage/rated current/rated cross-section	250 V/10 (2x8) A/1.5 mm²	– V/10 (2x8) A/1.5 mm²	– V/– A/1.5 mm²	250 V/8 A/2.5 mm²
Rated impulse voltage VDE 0110/1.89 /pollution severity	4 kV/3			4 kV/3
Further technical data				
Tightening torque range Nm	0.4...0.8	0.4...0.8	0.4...0.8	0.4...0.8
Torque setting with DMS2 electric screwdriver	1	1	1	1
Clampable conductor				
"e" solid H07V-U mm²	0.5…4/2.5	0.5…4/2.5	0.5…4/2.5	0.5…4/2.5
"m" stranded H07V-R mm²	1.5…2.5/1.5	1.5…2.5/1.5	1.5…2.5/1.5	1.5…2.5/1.5
"f" flexible H07V-K mm²	0.5…2.5/1.5	0.5…2.5/1.5	0.5…2.5/1.5	0.5…2.5/1.5
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5/1.5	0.5…2.5/1.5	0.5…2.5/1.5	0.5…2.5/1.5
"f" flexible H07V-K and AEH With plastic insul.collar mm²	0.5…2.5/1.5	0.5…2.5/1.5	0.5…2.5/1.5	0.5…2.5/1.5
Gauge pin to 947-1 Size	A 3/A 1	A 3/A 1	A 3/A 1	A 3/A 1
Continuous current rating of Cross-connection 2-poles A	35	35	35	–
Continuous current rating of Cross-connection multipole A	35	35	35	–
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/20 (2x10) A/26…16 AWG	300 V/20 (2x10) A/26…16 AWG	300 V/20 (2x10) A/26…16 AWG	–
Voltage/current/conductor size CSA	300 V/10 A/26…12 AWG	12…110 V/10 A/26…12 AWG	–/–/26…12 AWG	–
Ordering data Type	⊐⎓ Cat.No. Qty.	⊐⎓ Cat.No. Qty.	⊐⎓ Cat.No. Qty.	⊐⎓ ⊏⎓ Qty.
Standard	**157726** 100			**103810** **103830** 100
blue			blue **157731** 100	
With red LED		12 V– **157727** 100		
With red LED		24 V– **157728** 100		
With red LED		48 V– **157729** 100		
With red LED		110 V– **157730** 100		
Fixed pole blocks on request				
End plate/Fixing bracket**	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
WAP (thickness 2.5 mm)	With pin **157732** 50	With pin **157732** 50	With pin **157732** 50	With pin **107010** 20
	Without pin **157733** 50	Without pin **157733** 50	Without pin **157733** 50	Without pin **107000** 20
WBB orange (5 mm thick)	With pin **106826** 10	With pin **106826** 10	With pin **106826** 10	With pin **107276** 10
	Without pin **106816** 10	Without pin **106816** 10	Without pin **106816** 10	Without pin **107266** 10
Cross-connection				Cross-connection comb. insul.
WQV	WQV 2.5/2 **105366** 50	WQV 2.5/2 **105366** 50	WQV 2.5/2 **105366** 50	WQB A/2 **157895** 50
	WQV 2.5/3 **106376** 50	WQV 2.5/3 **105376** 50	WQV 2.5/3 **105376** 50	WQB A/3 **157896** 50
	WQV 2.5/4 **105386** 50	WQV 2.5/4 **105386** 50	WQV 2.5/4 **105386** 50	WQB A/4 **157897** 50
	WQV 2.5/10 **105446** 20	WQV 2.5/10 **105446** 20	WQV 2.5/10 **105446** 20	WQB A/10 **157899** 20
Notching tool WAW 1 for WQV	WAW 1 **900450** –	WAW 1 **900450** –	WAW 1 **900450** –	
Negative conductor-busbar				
0.5 x 4 x 120 mm		ML-SSch **106320** 3	ML-SSch **106320** 3	
Cover for unassigned pins	WAD 5/2 **157740** 20	WAD 5/2 **157740** 20	WAD 5/2 **157740** 20	WAD 5/2 **157740** 20
Coding element	SLA-KO **132356** 100	SLA-KO **132356** 100	SLA-KO **132356** 100	BLZ-KO **154571** 100
Socket strips No.poles				
BLA 2…24	BLA 4 **128196** 100	BLA 4 **128196** 100	BLA 4 **128196** 100	BLZ 4 **152666** 100
BLZ 2…24	BLA 6 **128216** 50	BLA 6 **128216** 50	BLA 6 **128216** 50	BLZ 6 **152686** 50
	BLA 8 **128236** 50	BLA 8 **128236** 50	BLA 8 **128236** 50	BLZ 8 **152706** 50
	BLA 4 B **135626** 100	BLA 4 B **135626** 100	BLA 4 B **135626** 100	BLZ 4 B **152896** 100
	BLA 6 B **135646** 50	BLA 6 B **135646** 50	BLA 6 B **135646** 50	BLZ 6 B **152916** 50
	BLA 8 B **135666** 50	BLA 8 B **135666** 50	BLA 8 B **135666** 50	BLZ 8 B **152936** 50
Marking tags Print				
 Consecutive horizontal	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –
Consecutive vertical	FS 5 **047356**	FS 5 **047356**	FS 5 **047356**	FS 5 **047356**

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* With BLA

** Set for screwing the connector to the terminal strip

WDU 1.5/BLZ 5.08

5.08/45.4/57.5*/52.5/63.0*
5.08/45.4/57.5*/45.0/55.5
10 mm/M 2.5/3.5 x 0.6

250 V/10 (2x8) A/1.5 mm²
4 kV/3

0.4...0.8
1

0.5…4/4
1.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
A 3/A 3
35
35

300 V/20 (2 x 10) A/26…16 AWG
300 V/10 A/26…12 AWG

		Qty.
157734	**159473**	100
159690	**159903**	100

Type	Cat.No.	Qty.
With pin	**157732**	50
Without pin	**157733**	50
With pin	**106826**	10
Without pin	**106816**	10
WQV 2.5/2	**105366**	50
WQV 2.5/3	**106376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
WAW 1	**900450**	–
WAD 5/2	**157740**	20
BLZ-KO	**154571**	100
BLZ 4	**152666**	100
BLZ 6	**152686**	50
BLZ 8	**152706**	50
BLZ 4 B	**152896**	100
BLZ 6 B	**152916**	50
BLZ 8 B	**152936**	50
FW 5	**047346**	–
FS 5	**047356**	–

WDU 1.5/BLZ/ LD/5.08

With red LED

–
5.08/45.4/57.5*/45.0/55.5*
10 mm/M 2.5/3.5 x 0.6

– V/10 (2x8) A/1.5 mm²

0.4...0.8
1

0.5…4/4
1.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
A 3/A 3
35
35

300 V/20 (2 x 10) A/26…16 AWG
12…110 V/10 A/26…12 AWG

	Cat.No.	Qty.
12 V–	**157735**	100
24 V–	**157736**	100
48 V–	**157737**	100
110 V–	**157738**	100

Type	Cat.No.	Qty.
With pin	**157732**	50
Without pin	**157733**	50
With pin	**106826**	10
Without pin	**106816**	10
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
WAW 1	**900450**	–
ML-SSch	**106320**	3
WAD 5/2	**157740**	20
BLZ-KO	**154571**	100
BLZ 4	**152666**	100
BLZ 6	**152686**	50
BLZ 8	**152706**	50
BLZ 4 B	**152896**	100
BLZ 6 B	**152916**	50
BLZ 8 B	**152936**	50
FW 5	**047346**	–
FS 5	**047356**	–

WDU 1.5/BLZ/ R 5.08

Negative return conductor in blue

–
5.08/45.4/57.5*/45.0/55.5*
10 mm/M 2.5/3.5 x 0.6

– V/– A/1.5 mm²

0.4...0.8
1

0.5…4/4
1.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
A 3/A 3
35
35

300 V/20 (2 x 10) A/26…16 AWG
–/–/26…12 AWG

	Cat.No.	Qty.
blue	**157739**	100

Type	Cat.No.	Qty.
With pin	**157732**	50
Without pin	**157733**	50
With pin	**106826**	10
Without pin	**106816**	10
WQV 2.5/2	**105366**	50
WQV 2.5/3	**105376**	50
WQV 2.5/4	**105386**	50
WQV 2.5/10	**105446**	20
WAW 1	**900450**	–
ML-SSch	**106320**	3
WAD 5/2	**157740**	20
BLZ-KO	**154571**	100
BLZ 4	**152666**	100
BLZ 6	**152686**	50
BLZ 8	**152706**	50
BLZ 4 B	**152896**	100
BLZ 6 B	**152916**	50
BLZ 8 B	**152936**	50
FW 5	**047346**	–
FS 5	**047356**	–

WDU 2.5/BLZ R 7.62

500 V

7.62/58/53/63.5

12 mm/M 2.5/3.5 x 0.8

500 V/12 A/2.5 mm²
6 kV/3

0.4...0.8
1

0.5…4/4
1.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
A 3/A 3
–
–

–
–

		Qty.
103890		100

Type	Cat.No.	Qty.
With pin	**157732**	50
Without pin	**157733**	50
With pin	**106826**	10
Without pin	**106816**	10
WAD 5/2	**157740**	20
BLZ-KO	**154571**	100
BLZ 4	**162307**	100
BLZ 6	**162309**	50
BLZ 8	**162311**	50
BLZ 4 B	**162340**	100
BLZ 6 B	**162342**	50
BLZ 8 B	**162344**	50
FW 5	**047346**	–
FS 5	**047356**	–

WDK 2.5/BLZ R 5.08

250 V

5.08/58/60.5/71*
5.08/58/53/63.5*
12 mm/M 2.5/3.5 x 0.6

250 V/8 A/2.5 mm²
4 kV/3

0.4...0.8
1

0.5…4/4
1.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
A 3/A 3
–
–

300 V/10 A/26…12 AWG
–
–

		Qty.
103440	**103800**	100

Type	Cat.No.	Qty.
With pin	**107010**	20
Without pin	**107000**	20
With pin	**107276**	10
Without pin	**107266**	10
Cross-connection comb,insul.		
WQB A/2	**157895**	50
WQB A/3	**157896**	50
WQB A/4	**157897**	50
WQB A/10	**157899**	20
WAD 5/2	**157740**	20
BLZ-KO	**154571**	100
BLZ 4	**152666**	100
BLZ 6	**152686**	50
BLZ 8	**152706**	50
BLZ 4 B	**152896**	100
BLZ 6 B	**152916**	50
BLZ 8 B	**152936**	50
FW 5	**047346**	–
FS 5	**047356**	–

WDK 2.5/BLZ R 7.62

500 V

7.62/58/60.5/71*
7.62/58/53/63.5*
12 mm/M 2.5/3.5 x 0.6

500 V/12 A/2.5 mm²
6 kV/3

0.4...0.8
1

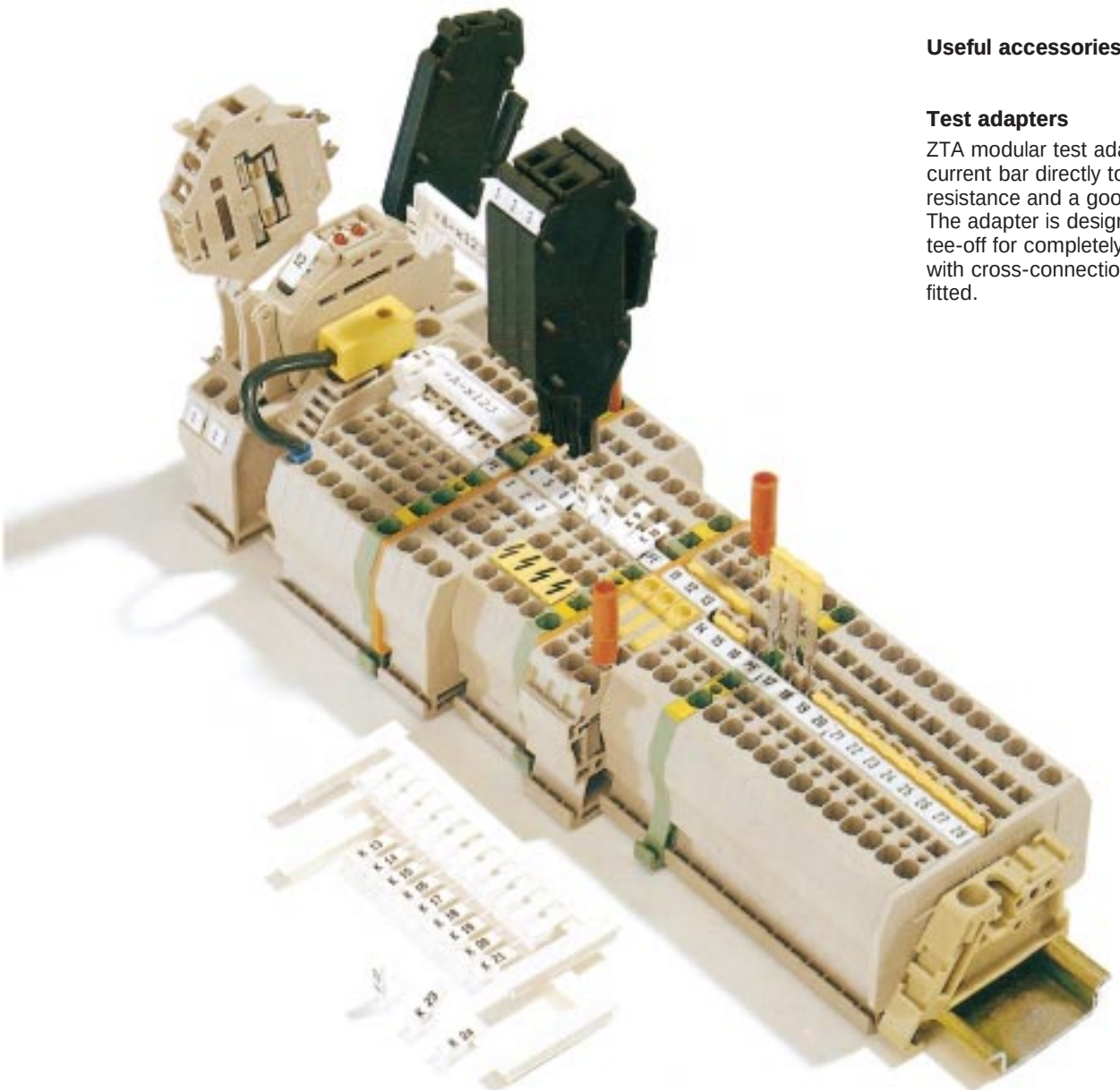
0.5…4/4
1.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
0.5…2.5/2.5
A 3/A 3
–
–

–
–

		Qty.
103850	**103870**	100

Type	Cat.No.	Qty.
With pin	**107010**	20
Without pin	**107000**	20
With pin	**107296**	10
Without pin	**107286**	10
WAD 5/2	**157740**	20
BLZ-KO	**154571**	100
BLZ 4	**162307**	100
BLZ 6	**162309**	50
BLZ 8	**162311**	50
BLZ 4 B	**162340**	100
BLZ 6 B	**162342**	50
BLZ 8 B	**162344**	50
FW 5	**047346**	–
FS 5	**047356**	–

* With BLZ



Useful accessories to fulfill all needs.

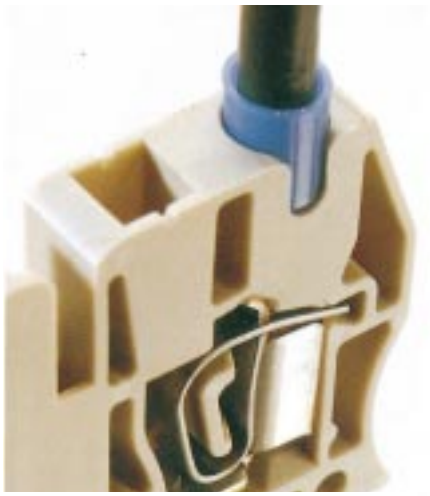
Test adapters

ZTA modular test adapters contact the current bar directly to ensure low contact resistance and a good circuit connection. The adapter is designed for permanent tee-off for completely wired terminal strips with cross-connections and markers fitted.

- Take all types of wire, even those with fitted ferrules
- One-part PE contact for mechanical reliability and electrical safety
- TOP connection permits
  - readily accessible clamping points
  - quick connections
  - tidy connections
- Pluggable 2…10pole cross-connections save time
- Integrated test socket
- Wemid insulation
  - creepage resistance - KC > 600
  - withstands high temperature of + 120 °C maximum continuous
  - self-extinguishing V0 acc to UL
  - no pollutants

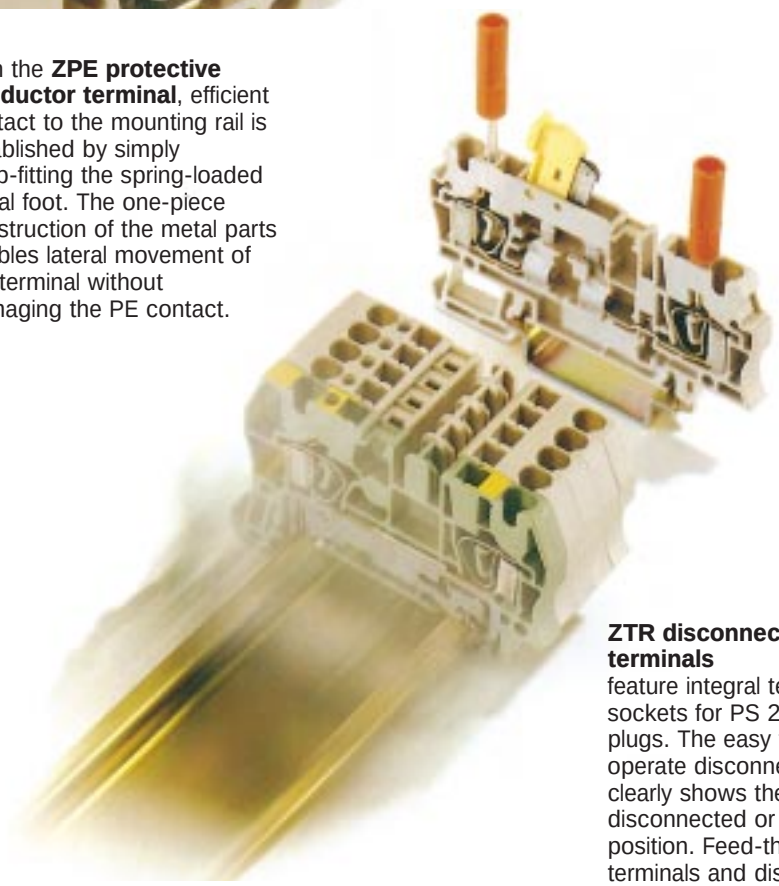
Marking systems
The marker mounting channel is arranged in the centre of the terminal to prevent connected conductors from obscuring the markings. Marking can take place with Weidmüller dekafix and newly developed ZS hinged marker systems. The hinged marker is designed for up to eight-digit marking and is simply snap-fitted stripwise into the marking channel and placed over the cross-connection channels. Identification of functional groups can take place with ZGB group tag carriers.

Cross-connection system
Rational wiring is possible with two to ten-pole ZQV, completely shock-hazard protected units, no small partitions or end cover plates for adjacent cross-connections are necessary. Up to forty connection points can be applied to a potential with only one cross-connection unit. The cross-connections can be loaded with the rated current of the corresponding cross-section. By breaking out individual or several contact elements, several terminals can be skipped to suit the particular application. For control-circuit terminals with two connection points, two parallel cross-connection channels are available. This enables two potentials to be routed within the terminal. Only in the case of these two applications does the rated voltage reduce from 800 V to 400 V. By means of prefitted adapters from the W series to the screwless Z series, combined use of both families on one mounting rail is possible. Connection of the WDU 16 or WDU 35, the connection is realised with the ZQW 2.



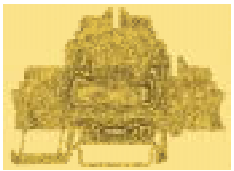
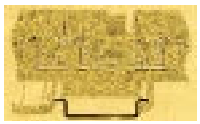
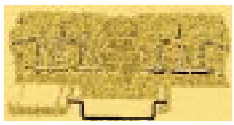
The generous terminal aperture size (test with gauge pin according to IEC 947-1) results in space and cost advantages, since the rated cross-section is connectable with ferrules.

With the **ZPE protective conductor terminal**, efficient contact to the mounting rail is established by simply snap-fitting the spring-loaded metal foot. The one-piece construction of the metal parts enables lateral movement of the terminal without damaging the PE contact.



ZTR disconnect test terminals
feature integral test sockets for PS 2.3 test plugs. The easy to operate disconnect lever clearly shows the disconnected or closed position. Feed-through terminals and disconnect terminals as such can be cross connected.

Feed-through terminal blocks

	ZDK 1.5	ZDU 2.5 ZDU 2.5/10	ZDU 2.5/3AN ZDU 2.5/3AN/10	ZDU 2.5/4AN ZDU 2.5/4AN/10
				
Dimensions				
Width/length/height (mm) with TS 35 x 7,5	5/79/54	5/59,5/39	5/64/39	5/79/39
Insulation stripping length mm	8	10	10	10
VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989				
Rated voltage/current/cross-section	400 V/17.5 A/1.5 mm²	800 V/24 A/2,5 mm²	800 V/24 A/2,5 mm²	800 V/24 A/2,5 mm²
Rated impulse voltage/pollution severity	6 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Clampable conductor:				
"e" solid H07V-U mm²	0.5...2.5	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K mm²	0.5...2.5	0.5…4	0.5…4	0.5…4
"f" with ferrule to DIN 46 228/1** mm²	0.5...1.5	0.5…2.5	0.5…2.5	0.5…2.5
"f" with ferrule with plastic insulating collar** mm²	0.5...1.5	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to IEC 947-1/1988 Size	A1	A3	A3	A3
Continuous current rating of cross-connection 2-pole A	17.5	24	24	24
Continuous current rating of cross-connection multipole A	17.5	24	24	24
UL/CSA rated data				
Voltage/current/conductor size UL	*	600 V/25 A/26…12 AWG	600 V/25 A/26…12 AWG	600 V/25 A/26…12 AWG
Voltage/current/conductor size CSA	*	600 V/27 A/26...12 AWG	600 V/27 A/26...12 AWG	600 V/27 A/26...12 AWG

Ordering data — Version	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Wemid	ZDK 1.5	**167430**	50	ZDU 2.5	**160851**	100	ZDU 2.5/3AN	**160854**	100	ZDU 2.5/4AN	**160857**	100
blue Wemid	ZDK 1.5 BL	**167863**	50	ZDU 2.5BL	**160852**	100	ZDU 2.5/3AN BL	**160855**	100	ZDU 2.5/4AN BL	**160858**	100
orange Polyamide	ZDK 1.5 OR	**169414**	50	ZDU 2.5OR	**163678**	100	ZDU 2.5/3AN OR	**163679**	100	ZDU 2.5/4AN OR	**163680**	100
Terminal block 10-pole Wemid				ZDU 2.5/10	**162695**	10	ZDU 2.5/3AN/10	**162696**	10	ZDU 2.5/4AN/10	**162697**	10
10 pole Terminal blocks marked 1…9 Wemid				ZDU 2.5/10/BEZ	**165187**	10	ZDU 2.5/3AN/10/BEZ	**165188**	10	ZDU 2.5/10/4AN/BEZ	**165189**	10
End plate partition — Version												
ZAP/TW Wemid	ZAP ZDK 1.5	**167473**	20	ZAP/TW1	**160874**	50	ZAP/TW2	**160877**	50	ZAP/TW3	**160880**	50
blue Wemid				ZAP/TW1BL	**160875**	50	ZAP/TW2BL	**160878**	50	ZAP/TW3BL	**160881**	50
orange Polyamide	ZAP ZDK 1.5	**169008**	20	ZAP/TW1OR	**160876**	50	ZAP/TW2OR	**160879**	50	ZAP/TW3OR	**160882**	50
Cross-connection												
ZQV	ZQV 2.5/2	**160886**	60	ZQV 2.5/2	**160886**	60	ZQV 2.5/2	**160886**	60	ZQV 2.5/2	**160886**	60
	ZQV 2.5/3	**160887**	60	ZQV 2.5/3	**160887**	60	ZQV 2.5/3	**160887**	60	ZQV 2.5/3	**160887**	60
	ZQV 2.5/4	**160888**	60	ZQV 2.5/4	**160888**	60	ZQV 2.5/4	**160888**	60	ZQV 2.5/4	**160888**	60
	ZQV 2.5/5	**160889**	20	ZQV 2.5/5	**160889**	20	ZQV 2.5/5	**160889**	20	ZQV 2.5/5	**160889**	20
	ZQV 2.5/6	**160890**	20	ZQV 2.5/6	**160890**	20	ZQV 2.5/6	**160890**	20	ZQV 2.5/6	**160890**	20
	ZQV 2.5/7	**160891**	20	ZQV 2.5/7	**160891**	20	ZQV 2.5/7	**160891**	20	ZQV 2.5/7	**160891**	20
	ZQV 2.5/8	**160892**	20	ZQV 2.5/8	**160892**	20	ZQV 2.5/8	**160892**	20	ZQV 2.5/8	**160892**	20
	ZQV 2.5/9	**160893**	20	ZQV 2.5/9	**160893**	20	ZQV 2.5/9	**160893**	20	ZQV 2.5/9	**160893**	20
	ZQV 2.5/10	**160894**	20	ZQV 2.5/10	**160894**	20	ZQV 2.5/10	**160894**	20	ZQV 2.5/10	**160894**	20
Connection of WDU 6/WDU 10 to Z series with adapter ZQW 1, from WDU 16/WDU 35 with ZQW 2	ZQV 2.5/50	**169754**	5	ZQV 2.5/50	**169754**	5	ZQV 2.5/50	**169754**	5	ZQV 2.5/50	**169754**	5
ZQW				ZQW 1	**161143**	5	ZQW 1	**161143**	5	ZQW 1	**161143**	5
				ZQW 2	**161144**	5	ZQW 2	**161144**	5	ZQW 2	**161144**	5
Test adapter — Version												
Without pin				ZTA 1	**160904**	25	ZTA 1	**160904**	25	ZTA 1	**160904**	25
With pin				ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25
PS				PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20
				TA 1	**053586**	20	TA 1	**053586**	20	TA 1	**053586**	20
Screw driver												
SD to DIN 5264-A	SD 0,6 x 3,5	**902423**	1	SD 0,6 x 3,5	**902423**	1	SD 0,6 x 3,5	**902423**	1	SD 0,6 x 3,5	**902423**	1
Cover												
ZAD				ZAD 1/4	**160911**	20	ZAD 1/4	**160911**	20	ZAD 1/4	**160911**	20
Group marking												
ZGB	ZGB 30	**161193**	20	ZGB 30	**161193**	20	ZGB 30	**161193**	20	ZGB 30	**161193**	20
ESO Blank snap-on tag	ESO 7	**160772**	240	ESO 7	**160772**	240	ESO 7	**160772**	240	ESO 7	**160772**	240
STR Transparent protective cover	STR 7	**051530**	20	STR 7	**051530**	20	STR 7	**051530**	20	STR 7	**051530**	20

Reducers*** — Colour												
ZRH for conductor 0,13...0,2 mm² White	ZRH 1.5/1	**167881**	100	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100
ZRH for conductor 0,25...0,5 mm² Grey	ZRH 1.5/2	**167880**	100	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100
ZRH for conductor 0,75...1 mm² Dark grey	ZRH 1.5/3	**167879**	100	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100
Marking tags — Print												
DEK 1 2 3 4 5 6 Consecutive horizontal	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 5	**047346**	500
DEK Consecutive vertical	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 5	**047356**	500
ZS 10 Blank	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480
ZS 10 Printed	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Approvals applied for
** Ferrules crimped gas-tight

*** Each pack contains 100 x 10-pole strips
**** Soldered diode: type 1N 4007,
Reverse voltage 1000 V/current 1 A

ZDU 2.5/2 x 2 AN
ZDU 2.5/2 x 2 AN/10

5/79/39	
10	
800 V/24 A/2.5 mm²	
8 kV/3	
0.5…4	
0.5…4	
0.5…2.5	
0.5…2.5	
A3	
600 V/5 A/26…12 AWG	
300 V/27 A/26…12 AWG	

Type	Cat.No.	Qty.
ZDU 2.5/2x2AN	**160860**	100
ZDU 2.5/2x2AN BL	**160861**	100
ZDU 2.5/2x2AN OR	**163681**	100
ZDU 2.5/2x2AN/10	**162698**	10
ZAP/TW3	**160880**	50
ZAP/TW3BL	**160881**	50
ZAP/TW3OR	**160882**	50
ZTA 1	**160904**	25
ZTA 1/ZA	**160905**	25
PS 2.3	**018040**	20
TA 1	**053586**	20
SD 0.6 x 3.5	**902423**	1
ZAD 1/4	**160911**	20
ZGB 30	**161193**	20
ESO 7	**160772**	240
STR 7	**051530**	20
ZRH 2.5/1	**161430**	100
ZRH 2.5/2	**161429**	100
ZRH 2.5/3	**161428**	100
DEK 5	**047346**	500
DEK 5	**047356**	500
ZS 10/5	**161000**	480
ZS 10/5	**161001**	480

ZDU 2.5/2 x 2 AN/D

5/79/39	
10	
400 V****/1 A/2.5 mm²	
8 kV/3	
0.5…4	
0.5…4	
0.5…2.5	
0.5…2.5	
A3	

Type	Cat.No.	Qty.
ZDU 2.5/2x2AN/D+ with diode + ▷| −	**165034**	10
ZDU 2.5/2x2AN/D- with diode − |◁ +	**165035**	10
ZAP/TW3	**160880**	50
ZAP/TW3BL	**160881**	50
ZAP/TW3OR	**160882**	50
ZTA 1	**160904**	25
ZTA 1/ZA	**160905**	25
PS 2.3	**018040**	20
TA 1	**053586**	20
SD 0.6 x 3.5	**902423**	1
ZAD 1/4	**160911**	20
ZGB 30	**161193**	20
ESO 7	**160772**	240
STR 7	**051530**	20
ZRH 2.5/1	**161430**	100
ZRH 2.5/2	**161429**	100
ZRH 2.5/3	**161428**	100
DEK 5	**047346**	500
DEK 5	**047356**	500
ZS 10/5	**161000**	480
ZS 10/5	**161001**	480

ZDU 4
ZDU 4/10

6/62/43.5	
12	
800 V/32 A/4 mm²	
8 kV/3	
0.5...6	
0.5...6	
0.5...4	
0.5...4	
A4	
32	
32	
600 V/33 A/26…10 AWG	
600 V/35 A/26...10 AWG	

Type	Cat.No.	Qty.
ZDU 4	**163205**	100
ZDU 4 BL	**163206**	100
ZDU 4 OR	**163683**	100
ZDU 4/10	**163207**	10
ZDU 4/10/BEZ	**165190**	10
ZAP/TW4	**163209**	50
ZAP/TW4BL	**163210**	50
ZAP/TW4OR	**163211**	50
ZQV 4/2	**160895**	60
ZQV 4/3	**160896**	60
ZQV 4/4	**160897**	60
ZQV 4/5	**160898**	20
ZQV 4/6	**160899**	20
ZQV 4/7	**160900**	20
ZQV 4/8	**160901**	20
ZQV 4/9	**160902**	20
ZQV 4/10	**160903**	20
ZTA 2	**160906**	25
ZTA 2/ZA	**160907**	25
PS 2.3	**018040**	20
TA 1	**053586**	20
SD 0.6 x 3.5	**902423**	1
ZAD 1/4	**160911**	20
ZGB 30	**161193**	20
ESO 7	**160772**	240
STR 7	**051530**	20
ZRH 4/1	**163664**	100
ZRH 4/2	**163665**	100
ZRH 4/3	**163666**	100
DEK 6	**046866**	500
DEK 6	**046876**	500
ZS 12/6	**161002**	400
ZS 12/6	**161003**	400

ZDU 6
ZDU 6/10

8/65/45.5	
13	
800 V/41 A/6 mm²	
8 kV/3	
0.5…10	
0.5…10	
0.5…6	
0.5…6	
A5	
41	
41	
600 V/45 A/22…8 AWG	
600 V/50 A/20...8 AWG	

Type	Cat.No.	Qty.
ZDU 6	**160862**	50
ZDU 6 BL	**160863**	50
ZDU 6 OR	**163682**	50
ZDU 6/10	**163143**	5
ZAP/TW5	**160883**	50
ZAP/TW5BL	**160884**	50
ZAP/TW5OR	**160885**	50
ZQV 6/2	**162785**	60
ZQV 6/3	**162786**	60
ZQV 6/4	**162787**	60
ZTA 3	**165405**	25
TA 1	**053586**	20
SD 1 x 5.5	**902429**	1
ZAD 2/4	**160908**	20
ZGB 30	**161193**	20
ESO 7	**160772**	240
STR 7	**051530**	20
DEK 8	**127696**	500
DEK 8	**128966**	500
ZS 12/6	**161002**	400
ZS 12/6	**161003**	400

ZZA 2.5
Additional connection for ZDU 2.5. ZDU 2.5/3 AN. ZDU 2.5/4 AN. ZTR 2.5 and ZTR 2.5/3 AN

6/21/61	
10	
400 V/17.5 A/2.5 mm²	
6 kV/3	
0.5…4	
0.5…4	
0.5…2.5	
0.5…2.5	
A3	

Type	Cat.No.	Qty.
ZZA 2.5	**164669**	50
DEK 5	**047346**	500
DEK 5	**047356**	500
ZS 10/5	**161000**	480
ZS 10/5	**161001**	480

Mounting the ZZA 2.5

The latch is inserted into the spring displacer channel and the contact part into the cross-connection channel and pushed until it locks into position. The pitch is 6 mm which means that every other terminal can carry a ZZA 2.5.

ZBW...
Spring displacers

Type	Cat.No.	Qty.
ZBW 1	**166962**	1
ZBW W	**166963**	1

ZBW 1 and ZBWW are used to open the 1.5 mm² and 2.5 mm² clamps.
The ZBWW is angled for use in tight spaces.
These spring displacers are made of plastic to ensure safety when working with live installations.

ZDUS
shielded cable connector

Type	Cat.No.	Qty.
ZDUS	**167664**	50

The shielding is soldered to the current bar of the ZDUS or crimped by using 2.8 x 0.8 mm spade-type connectors. The ZDUS can be attached in a row alongside ZDU 2.5. ZDU 2.5/3 AN. ZDU 4. ZDU 6 and ZTR 2.5 .

Feed-through terminal blocks coloured terminals

	ZDU 2.5 ZDU 2.5/10	ZDU 2.5/3AN ZDU 2.5/3AN/10	ZDU 2.5/4AN ZDU 2.5/4AN/10	ZDU 2.5/2 x 2 AN ZDU 2.5/2 x 2 AN/10
Dimensions				
Width/length/height (mm) with TS 35 x 7,5	5/59,5/39	5/64/39	5/79/39	5/79/39
Insulation stripping length mm	10	10	10	10
VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989				
Rated voltage/current/cross-section	800 V/24 A/2,5 mm²	800 V/24 A/2,5 mm²	800 V/24 A/2,5 mm²	800 V/24 A/2.5 mm²
Rated impulse voltage/pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Clampable conductor:				
"e" solid H07V-U mm²	0.5…4	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K mm²	0.5…4	0.5…4	0.5…4	0.5…4
"f" with ferrule to DIN 46 228/1** mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
"f" with ferrule with plastic insulating collar** mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to IEC 947-1/1988 Size	A3	A3	A3	A3
Continuous current rating of cross-connection 2-pole A	24	24	24	
Continuous current rating of cross-connection multipole A	24	24	24	
UL/CSA rated data				
Voltage/current/conductor size UL	600 V/25 A/26…12 AWG	600 V/25 A/26…12 AWG	600 V/25 A/26…12 AWG	600 V/5 A/26…12 AWG
Voltage/current/conductor size CSA	600 V/27 A/26...12 AWG	600 V/27 A/26...12 AWG	600 V/27 A/26...12 AWG	300 V/27 A/26…12 AWG

Ordering data Version	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty	Type	Cat.No.	Qty.
Wemid	ZDU 2.5/2AN	**160851**	100	ZDU 2.5/3AN	**160854**	100	ZDU 2.5/4AN	**160857**	100	ZDU 2.5/2x2AN	**160860**	100
blue Wemid	ZDU 2.5 BL	**160852**	100	ZDU 2.5/3AN BL	**160855**	100	ZDU 2.5/4AN BL	**160858**	100	ZDU 2.5/2x2AN BL	**160861**	100
orange Polyamide	ZDU 2.5 OR	**163678**	100	ZDU 2.5/3AN OR	**163679**	100	ZDU 2.5/4AN OR	**163680**	100	ZDU 2.5/2x2AN OR	**163681**	100
red Polyamide	ZDU 2.5 RT	**168326**	100	ZDU 2.5/3AN RT	**168334**	100	ZDU 2.5/4AN RT	**168342**	100	ZDU 2.5/2x2AN RT	**168350**	100
yellow Wemid	ZDU 2.5 GE	**168327**	100	ZDU 2.5/3AN GE	**168335**	100	ZDU 2.5/4AN GE	**168343**	100	ZDU 2.5/2x2AN GE	**168351**	100
white Wemid	ZDU 2.5 WS	**168332**	100	ZDU 2.5/3AN WS	**168340**	100	ZDU 2.5/4AN WS	**168348**	100	ZDU 2.5/2x2AN WS	**168356**	100
black	ZDU 2.5 SW	**168333**	100	ZDU 2.5/3AN SW	**168341**	100	ZDU 2.5/4AN SW	**168349**	100	ZDU 2.5/2x2AN SW	**168357**	100
Terminal block 10-pole Wemid	ZDU 2.5/10	**162695**	10	ZDU 2.53AN/10	**162696**	10	ZDU 2.5/4AN10	**162697**	10	ZDU 2.5/2x2AN10	**162698**	10
Terminal block printed 1…9 Wemid	ZDU 2.5/10/BEZ	**165187**	10	ZDU 2.5/3AN10/BEZ	**165188**	10	ZDU 2.5/4AN10/BEZ	**165189**	10			
End plate partition **Version**												
ZAP/TW Wemid	ZAP/TW1	**160874**	50	ZAP/TW2	**160877**	50	ZAP/TW3	**160880**	50	ZAP/TW3	**160880**	50
blue Wemid	ZAP/TW1 BL	**160875**	50	ZAP/TW2 BL	**160878**	50	ZAP/TW3 BL	**160881**	50	ZAP/TW3 BL	**160881**	50
orange Polyamide	ZAP/TW1 OR	**160876**	50	ZAP/TW2 OR	**160879**	50	ZAP/TW3 OR	**160882**	50	ZAP/TW3 OR	**160882**	50
red Polyamide	ZAP/TW1 RT	**168336**	50	ZAP/TW2 RT	**168374**	50	ZAP/TW3 RT	**168382**	50			
yellow Wemid	ZAP/TW1 GE	**168367**	50	ZAP/TW2 GE	**168375**	50	ZAP/TW3 GE	**168383**	50			
white Wemid	ZAP/TW1 WS	**168372**	50	ZAP/TW2 WS	**168380**	50	ZAP/TW3 WS	**168388**	50			
black	ZAP/TW1 SW	**168373**	50	ZAP/TW2 SW	**168381**	50	ZAP/TW3 SW	**168389**	50			

Cross-connection

ZQV ZQW

Connection of WDU 6/WDU 10 to Z series with adapter ZQW 1, from WDU 16/WDU 35 with ZQW 2

Note: For cross-connections See previous page

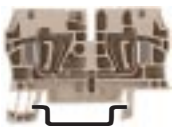
Test adapter **Version**												
Without pin	ZTA 1	**160904**	25	ZTA 1	**160904**	25	ZTA 1	**160904**	25	ZTA 1	**160904**	25
With pin	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25
	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20
PS	TA 1	**053586**	20	TA 1	**053586**	20	TA 1	**053586**	20	TA 1	**053586**	20
Screw driver												
SD to DIN 5264-A	SD 0,6 x 3,5	**902423**	1	SD 0,6 x 3,5	**902423**	1	SD 0,6 x 3,5	**902423**	1	SD 0.6 x 3.5	**902423**	1
Cover												
ZAD	ZAD 1/4	**160911**	20	ZAD 1/4	**160911**	20	ZAD 1/4	**160911**	20	ZAD 1/4	**160911**	20
Group marking												
ZGB	ZGB 30	**161193**	20	ZGB 30	**161193**	20	ZGB 30	**161193**	20	ZGB 30	**161193**	20
ESO Blank snap-on tag	ESO 7	**160772**	240	ESO 7	**160772**	240	ESO 7	**160772**	240	ESO 7	**160772**	240
STR Transparent protective cover	STR 7	**051530**	20	STR 7	**051530**	20	STR 7	**051530**	20	STR 7	**051530**	20

Reducers* Colour**												
ZRH for conductor 0,13...0,2 mm² White	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100
ZRH for conductor 0,25...0,5 mm² Grey	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100
ZRH for conductor 0,75...1 mm² Dark grey	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100
Marking tags **Print**												
DEK 1 2 3 4 5 6 Consecutive horizontal	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 5	**047346**	500
DEK Consecutive vertical	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 5	**047356**	500
ZS 10 Blank	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480
ZS 10 Printed	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Approvals applied for ** Ferrules crimped gas-tight ***Each pack contains 100 x 10-pole strips **** Soldered diode: type 1N 4007, Reverse voltage 1000 V/current 1 A

ZDU 4
ZDU 4/10

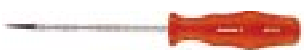
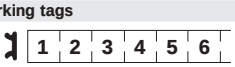


6/62/43.5		
12		
800 V/32 A/4 mm^2		
8 kV/3		
0.5...6		
0.5...6		
0.5...4		
0.5...4		
A4		
32		
32		
600 V/33 A/26…10 AWG		
600 V/35 A/26…10 AWG		
Type	Cat.No.	Qty.
ZDU 4	**163205**	100
ZDU 4 BL	**163206**	100
ZDU 4 OR	**163683**	100
ZDU 4 RT	**168358**	100
ZDU 4 GE	**168359**	100
ZDU 4 WS	**168364**	100
ZDU 4 SW	**168365**	100
ZDU 4/10	**163207**	10
ZDU 4/10/BEZ	**165190**	10
ZAP/TW4	**163209**	50
ZAP/TW4 BL	**163210**	50
ZAP/TW4 OR	**163211**	50
ZAP/TW4 RT	**168390**	50
ZAP/TW4 GE	**168391**	50
ZAP/TW4 WS	**168396**	50
ZAP/TW4 SW	**168397**	50
ZTA 2	**160906**	25
ZTA 2/ZA	**160907**	25
PS 2.3	**018040**	20
TA 1	**053586**	20
SD 0.6 x 3.5	**902423**	1
ZAD 1/4	**160911**	20
ZGB 30	**161193**	20
ESO 7	**160772**	240
STR 7	**051530**	20
ZRH 4/1	**163664**	100
ZRH 4/2	**163665**	100
ZRH 4/3	**163666**	100
DEK 6	**046866**	500
DEK 6	**046876**	500
ZS 12/6	**161002**	400
ZS 12/6	**161003**	400

* Approvals applied for

Protective earth terminal blocks

	ZPE 2.5	ZPE 2.5/3AN	ZPE 2.5/4AN	ZPE 4
Dimensions				
Width/length/height (mm) with TS 35 x 7.5	5/63/39	5/64/39	5/79/39	6 /62 /43.5
Insulation stripping length mm	10	10	10	12
VDE rated data 0611 Part, I 3/11.89				
Rated voltage/current PEN/cross-section	–V/–A/2.5 mm²	–V/–A/2.5 mm²	–V/–A/2.5 mm²	–V/–A/4 mm²
Rated insulation voltage to VDE 0110/2.79/insul. group C V~	750	750	750	750
Rated voltage/rated impulse voltage/pollution severity to VDE 0110/1.89	800 V/8 kV/3	800 V/8 kV/3	800 V/8 kV/3	800 V/8 kV/3
Further technical data				
Clampable conductors:				
"e" solid H07V-U mm²	0.5…4	0.5…4	0.5…4	0.5...6
"f" flexible H07V-K mm²	0.5…4	0.5…4	0.5…4	0.5...6
"f" with ferrule to DIN 46 228/1** mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5...4
"f" with ferrule with plastic insulating collar** mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5...4
Gauge pin to IEC 947-1: 1988 Size	A3	A3	A3	A4
UL/CSA rated data				
Voltage/current/conductor size UL	–V/–A/26…12 AWG	–V/–A/26…12 AWG	–V/–A/26…12 AWG	–V/–A/26…10 AWG
Voltage/current/conductor size CSA	–V/–A/26…12 AWG	–V/–A/26…12 AWG	–V/–A/26…12 AWG	–V/–A/26…10 AWG

Ordering data Version	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Green/yellow Wemid	ZPE 2.5	**160864**	100	ZPE 2.5/3AN	**160865**	100	ZPE 2.5/4AN	**160866**	100	ZPE 4	**163208**	100
End plate/partition **Version**												
ZAP/TW Beige Wemid	ZAP/TW1	**160874**	50	ZAP/TW2	**160877**	50	ZAP/TW3	**160880**	50	ZAP/TW4	**163209**	50
Support block												
SH For insulating of mounting rails in insulated-earth installations.	SH 2	**049492**	10	SH 2	**049492**	10	SH 2	**049492**	10	SH 2	**049492**	10
Test adapter **Version**												
Without pin	ZTA 1	**160904**	25	ZTA 1	**160904**	25	ZTA 1	**160904**	25	ZTA 2	**160906**	25
With pin	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25	ZTA 2/ZA	**160907**	25
PS	TA 1	**053586**	20	TA 1	**053586**	20	TA 1	**053586**	20	TA 1	**053586**	20
	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20
Screw driver												
SD to DIN 5264-A 	SD 0.6 x 3.5	**902423**	1	SD 0.6 x 3.5	**902423**	1	SD 0.6 x 3.5	**902423**	1	SD 0.6 x 3.5	**902423**	1
Group marking												
ZGB	ZGB 30	**161193**	20	ZGB 30	**161193**	20	ZGB 30	**161193**	20	ZGB 30	**161193**	20
ESO Blank snap-on tag	ESO 7	**160772**	240	ESO 7	**160772**	240	ESO 7	**160772**	240	ESO 7	**160772**	240
STR Transparent protective cover	STR 7	**051530**	20	STR 7	**051530**	20	STR 7	**051530**	20	STR 7	**051530**	20
Reducers* ** **Colour**												
ZRH for conductor 0.13...0.2 mm² White	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100	ZRH 4/1	**163664**	100
ZRH for conductor 0.25...0.5 mm² Grey	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100	ZRH 4/2	**163665**	100
ZRH for conductor 0.75...1 mm² Dark grey	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100	ZRH 4/3	**163666**	100
Marking tags **Print**												
DEK  Consecutive horizontal	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 6	**046866**	500
DEK Consecutive vertical	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 6	**046876**	500
ZS 10 Blank	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480	ZS 12/6	**161002**	400
ZS 10 Printed	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480	ZS 12/6	**161003**	400

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Approvals applied for
** Ferrules crimped gas-tight

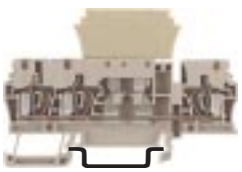
*** One Qty. consists of 100 x 10-pole strips.

ZPE 6

8/65/45.5		
13		
-V/-A/6mm^2		
750		
800 V/8 kV/3		
0.5…10		
0.5…10		
0.5…6		
0.5…6		
A5		
-V/-A/22…8 AWG		
-V/-A/20...8 AWG		

Type	Cat.No.	Qty.
ZPE 6	**160867**	50
ZAP/TW5	**160883**	50
SH 2	**049492**	10
ZTA 3	**165405**	25
TA 1	**053586**	20
SD 1 x 5.5	**902429**	1
ZGB 30	**161193**	20
ESO 7	**160772**	240
STR 7	**051530**	20
DEK 8	**127696**	500
DEK 8	**128966**	500
ZS 12/6	**161002**	400
ZS 12/6	**161003**	400

Disconnect test terminal blocks

	ZTR 2.5	ZTR 2.5/3 AN	ZTR 2.5/D	ZTR 2.5/3 AN/D
				
Dimensions				
Width/length/height (mm) With TS 35 x 7.5	5/68/41	5/83/41	5/68/57	5/83/57
Insulation stripping length mm	10	10	10	10
Rated data				
Rated voltage/current/cross-section	400 V/18 A**/2,5 mm²	400 V/16 A**/2,5 mm²	400 V/10 A**/2,5 mm²	400 V/10 A**/2,5 mm²
Rated impulse voltage/pollution severity, VDE 0110/1.89	6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data				
Clampable conductors:				
"e" solid H07V-U mm²	0,5…4	0,5…4	0,5…4	0,5…4
"f" flexible H07V-K mm²	0,5…4	0,5…4	0,5…4	0,5…4
"f" with ferrules to DIN 46 228/1*** mm²	0,5…2,5	0,5…2,5	0,5…2,5	0,5…2,5
"f" with ferrules with plastic insulating collar*** mm²	0,5…2,5	0,5…2,5	0,5…2,5	0,5…2,5
Gauge pin to IEC 947-1: 1988 Size	A3	A3	A3	A3
UL/CSA rated data				
Voltage/current/conductor size	300 V/10 A/26…12 AWG	*	300 V/- A/26…12 AWG	*

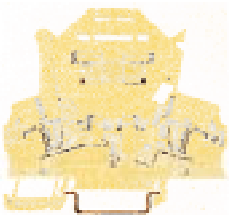
Ordering data Version	Type	Cat.No.	Qty.	Type	Cat.No.	Qty	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Wemid	ZTR 2.5	**160868**	100	ZTR 2,5/3AN	**166830**	100						
Blue Wemid	ZTR 2.5BL	**160869**	100	ZTR 2,5/3ANBL	**167030**	100						
Orange Polyamide	ZTR 2.5OR	**163684**	100	ZTR 2,5/3ANOR	**167032**	100						
Without disconnect lever	ZTR 2.5/O.TNHE	**160870**	100	ZTR 2,5/3ANO.TNHE	**167031**	100						
With diode +▷|–							ZTR 2.5/D+	**160871**	50	ZTR 2.5/3AN/D+	**167033**	50
With diode –◁|+							ZTR 2.5/D–	**160872**	50	ZTR 2.5/3AN/D–	**167034**	50
With wire link							ZTR 2.5/D/DRBR	**160873**	50	ZTR 2.5/3AN/D/DRBR	**167035**	50
End plate/partition **Version**												
ZAP/TW Wemid	ZAP/TW2	**160877**	50	ZAP/TW3	**160880**	50	ZAP/TW2	**160877**	50	ZAP/TW3	**160880**	50
Blue Wemid	ZAP/TW2BL	**160878**	50	ZAP/TW3BL	**160881**	50	ZAP/TW2BL	**160878**	50	ZAP/TW3BL	**160881**	50
Orange Polyamide	ZAP/TW2OR	**160879**	50	ZAP/TW3OR	**160882**	50	ZAP/TW2OR	**160879**	50	ZAP/TW3OR	**160882**	50
Cross-connection												
ZQV	ZQV 2.5/2	**160886**	60	ZQV 2.5/2	**160886**	60	ZQV 2.5/2	**160886**	60	ZQV 2.5/2	**160886**	60
	ZQV 2.5/3	**160887**	60	ZQV 2.5/3	**160887**	60	ZQV 2.5/3	**160887**	60	ZQV 2.5/3	**160887**	60
	ZQV 2.5/4	**160888**	60	ZQV 2.5/4	**160888**	60	ZQV 2.5/4	**160888**	60	ZQV 2.5/4	**160888**	60
	ZQV 2.5/5	**160889**	20	ZQV 2.5/5	**160889**	20	ZQV 2.5/5	**160889**	20	ZQV 2.5/5	**160889**	20
	ZQV 2.5/6	**160890**	20	ZQV 2.5/6	**160890**	20	ZQV 2.5/6	**160890**	20	ZQV 2.5/6	**160890**	20
	ZQV 2.5/7	**160891**	20	ZQV 2.5/7	**160891**	20	ZQV 2.5/7	**160891**	20	ZQV 2.5/7	**160891**	20
	ZQV 2.5/8	**160892**	20	ZQV 2.5/8	**160892**	20	ZQV 2.5/8	**160892**	20	ZQV 2.5/8	**160892**	20
	ZQV 2.5/9	**160893**	20	ZQV 2.5/9	**160893**	20	ZQV 2.5/9	**160893**	20	ZQV 2.5/9	**160893**	20
	ZQV 2.5/10	**160894**	20	ZQV 2.5/10	**160894**	20	ZQV 2.5/10	**160894**	20	ZQV 2.5/10	**160894**	20
ZQW	ZQW 1	**161143**	5	ZQW 1	**161143**	5	ZQW 1	**161143**	5	ZQW 1	**161143**	5
Connection of WDU 6/ WDU 10 to two-row with adapter, ZQW 1, from WDU 16/WDU 35 with ZQW 2	ZQW 2	**161144**	5	ZQW 2	**161144**	5	ZQW 2	**161144**	5	ZQW 2	**161144**	5
Test adapter/test plug **Version**												
ZTA Without pin	ZTA 1	**160904**	25	ZTA 1	**160904**	25	ZTA 1	**160904**	25	ZTA 1	**160904**	25
With pin	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25
TA	TA 1	**053586**	20	TA 1	**053586**	20	TA 1	**053586**	20	TA 1	**053586**	20
PS	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20
Screw driver												
SD to DIN 5264-A	SD 0,6 x 3,5	**902423**	1	SD 0,6 x 3,5	**902423**	1	SD 0,6 x 3,5	**902423**	1	SD 0,6 x 3,5	**902423**	1
Cover												
ZAD	ZAD 1/4	**160911**	20	ZAD 1/4	**160911**	20	ZAD 1/4	**160911**	20	ZAD 1/4	**160911**	20
Reducers** **Colour**												
ZRH for conductor 0.13...0.2 mm² White	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100	ZRH 2.5/1	**161430**	100
ZRH for conductor 0.25...0.5 mm² Grey	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100	ZRH 2.5/2	**161429**	100
ZRH for conductor 0.75...1 mm² Dark grey	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100	ZRH 2.5/3	**161428**	100
Diode plug (spare)												
+▷|–	WSD 2.5	**105856**	25	WSD 2.5	**105856**	25	WSD 2.5	**105856**	25	WSD 2.5	**105856**	25
–◁|+	WSD 2.5	**105846**	25	WSD 2.5	**105846**	25	WSD 2.5	**105846**	25	WSD 2.5	**105846**	25
With wire link	WSD 2.5	**105866**	25	WSD 2.5	**105866**	25	WSD 2.5	**105866**	25	WSD 2.5	**105866**	25
Without special components	WSD 2.5	**105876**	25	WSD 2.5	**105876**	25	WSD 2.5	**105876**	25	WSD 2.5	**105876**	25
Group marking												
ZGB	ZGB 30	**161193**	20	ZGB 30	**161193**	20	ZGB 30	**161193**	20	ZGB 30	**161193**	20
ESO Blank snap-on tag	ESO 7	**160772**	240	ESO 7	**160772**	240	ESO 7	**160772**	240	ESO 7	**160772**	240
STR Transparent protective cover	STR 7	**051530**	20	STR 7	**051530**	20	STR 7	**051530**	20	STR 7	**051530**	20
Marking tags **Print**												
DEK 1 2 3 4 5 6 Consecutive horizontal	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 5	**047346**	500
DEK Consecutive vertical	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 5	**047356**	500
ZS 10 Blank	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480
ZS 10 Printed	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Approvals applied for
*** crimp ferrules airtight
** Rated current is limited to 1 A when using a diode plug with soldered diode: Type 1N4007, reverse voltage 1000 V/current 1 A
**** Each pack contains strips with 100 x 10 pole

Fuse terminal blocks

ZSI 2.5
for metric fuses



ZSI 2.5/2
for inch fuses

Dimensions			
Width/length/height (mm)	With TS 35 x 7.5	8/79/74	12/79/74
Insulation stripping length	mm	10	10
Rated data			
Terminal block base:		500 V/6.3 A/2.5 mm²	500 V/10 A/2.5 mm²
Rated voltage/current/cross-section		6 kV/3	6 kV/3
Rated impulse voltage/pollution severity			
to VDE 0110/1.89			
Fuse switches:			
Fuse cartridges to VDE 0820		5 x 20 mm	1/4" x 1/1/4" (6.3 x 32 mm)
Dissipation at 23 °C and 1.5 x Irat			
– Single arrangement	W	2.5	2.5
– Combined arrangement	W	1.6	2.5
Further technical data			
Clampable conductor:			
"e" solid H07V-U	mm²	0.5…4	0.5…4
"f" flexible H07V-K	mm²	0.5…4	0.5…4
"f" with ferrules to DIN 46 228/1***	mm²	0.5…2.5	0.5…2.5
"f" with ferrules with plastic insulating collar***	mm²	0.5…2.5	0.5…2.5
Gauge pin to IEC 947-1: 1988	Size	A3	A3
UL/CSA* rated data			
Voltage/current/conductor size	UL	600 V/10 A/26…12 AWG	600 V/16 A/26…12 AWG
Voltage/current/conductor size	CSA	600 V/15 A/26...12 AWG	600 V/15 A/26...12 AWG

Assembling the ZAP TNHE 2.5 end plate

The end plates are supplied individually and are only needed for the end of each row of terminals to cover the fuse holder. The end plate fits ZSI 2.5 and ZSI 2.5/2.

Assembling the cross-connections for ZSI 2.5/…

The cross-connection window must be removed prior to cross-connection. Do not snap off the side window of the last terminal.

Ordering data/Version	**Rated voltage**	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Wemid	500 V	ZSI 2.5	**161640**	50	ZSI 2.5	**161646**	25
Wemid/with 1 LED	250 V~/110 V–	ZSI 2.5/LD	**161641**	50	ZSI 2.5/2LD	**161650**	25
Wemid/with 1 LED	80…120 V~/40…60 V–	ZSI 2.5/LD	**161642**	50	ZSI 2.5/2LD	**161649**	25
Wemid/with 1 LED	30…60 V~/15…30 V–	ZSI 2.5/LD	**161643**	50	ZSI 2.5/2LD	**161648**	25
Wemid/with 1 LED	10…24 V~/5…14 V–	ZSI 2.5/LD	**161644**	50	ZSI 2.5/2LD	**161647**	25
Wemid/with 2 LED	24 V–	ZSI 2.5/LD	**161645**	50			
End plate/partition	**Version**						
	Wemid	ZAP/TW3	**160880**	50			
	Blue Wemid	ZAP/TW3BL	**160881**	50			
	Orange Polyamide	ZAP/TW3OR	**160882**	50			
ZAP/TW ZAP TNHE/ZSI 2.5	Wemid	ZAP TNHE/ZSI 2.5	**161084**	25	ZAP TNHE/ZSI 2.5	**161084**	25
Cross-connection							
ZQV		ZQV 6/2	**162785**	60	ZQS 2.5/2	**163320**	20
		ZQV 6/3	**162786**	60	ZQS 2.5/3	**163321**	20
		ZQV 6/4	**162787**	60	ZQS 2.5/4	**163322**	20
					ZQS 2.5/5	**163323**	20
Test adapter	**Version**						
ZTA	Without pin	ZTA 1	**160904**	25	ZTA 1	**160904**	25
	With pin	ZTA 1/ZA	**160905**	25	ZTA 1/ZA	**160905**	25
Screw driver							
SD to DIN 5264-A		SD 0.6 x 3.5	**902423**	1	SD 0.6 x 3.5	**902423**	1
Group marking							
ZGB		ZGB 30	**161193**	20	ZGB 30	**161193**	20
ESO	Blank snap-on tag	ESO 7	**160772**	240	ESO 7	**160772**	240
STR	Transparent protective cover	STR 7	**051530**	20	STR 7	**051530**	20
Marking tags	**Print**						
DEK 5	Consecutive horizontal	DEK 5	**047346**	500	DEK 5	**047346**	500
DEK 5	Consecutive vertical	DEK 5	**047356**	500	DEK 5	**047356**	500
ZS 10	Blank	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480
ZS 10	Printed	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480
WS 10	Blank	WS 10/5	**106086**	200	WS 10/5	**106086**	200
WS 10	Vertically printed	WS 10/5	**144706**	200	WS 10/5	**144706**	200
WS 10	Horizontally printed	WS 10/5	**144716**	200	WS 10/5	**144716**	200

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Advantages of the system

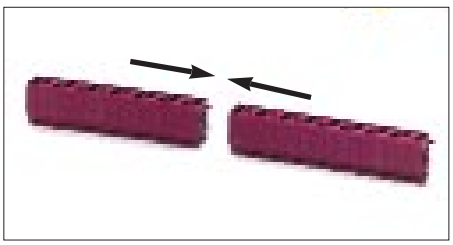
In automation initiators (e.g. proximity switches) and actuators (e.g. magnetic valves) play an important role in controlling the processes in plants and machinery. To reduce the amount of wiring they are grouped and wired directly on the machinery.

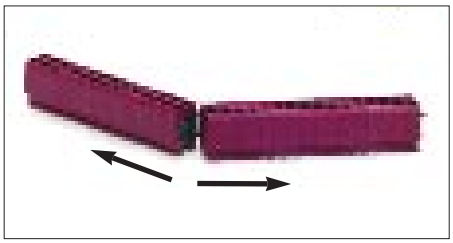
The enclosures containing terminals are often mounted in almost inaccessible places near to the machine. It is in such situations that the terminals need to be as small as possible and as easy as possible to install and wire, without adversely affecting the marking and allocation of the wires.
Initiator/**A**ctuator terminals from the **Z Series** are ideal for such situations thanks to their modular construction.

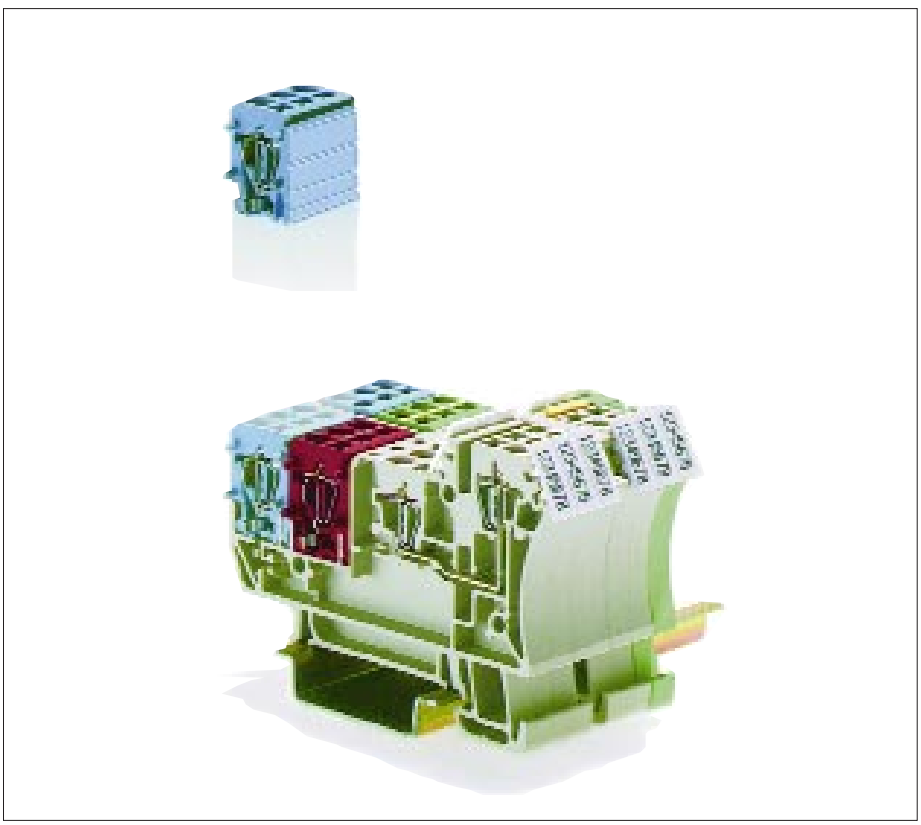
Distribution module system
The terminals needed to wire up initiators and actuators consist of a base element and distributor elements that latch on to this base element. The base element itself has only the connection for the signal line. The plus, minus and earth (PE) lines are connected directly to the distributor elements.

Marking systems
The distributor elements are coloured reddish brown, blue and green-yellow so there is no need for additional marking. The signal line can be marked with dekafix or WS standard markers.

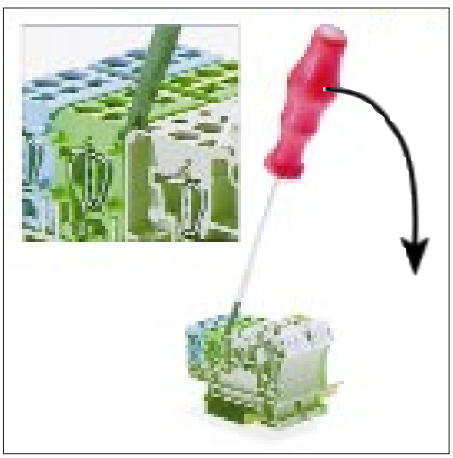
Modular distribution strips
The cross-connection is integrated into the individual distributor elements. On the one side is the female connector, on the other side the male connector. These snap together when the individual elements are pressed together. Separate time-consuming cross-connection is no longer necessary. Because of the modular construction the length of the distributor strip can be varied to fit the individual purpose.



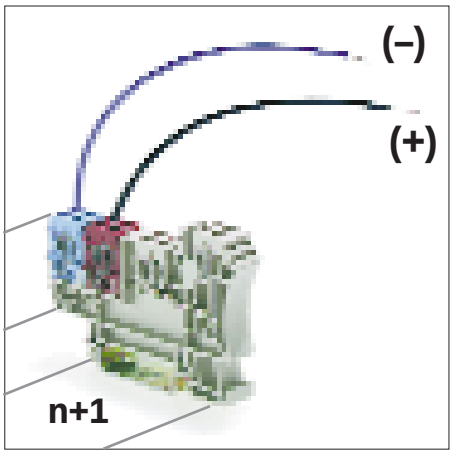




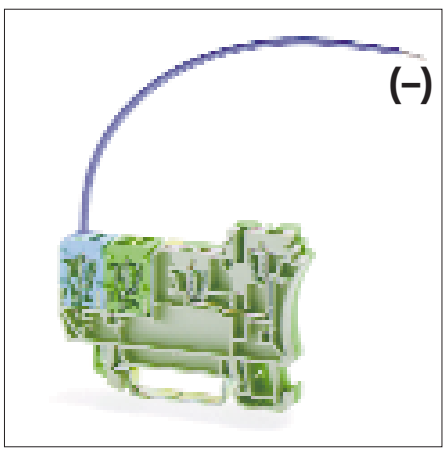
Easy to modify
Changes to suit the individual application can be done on site. The distribution strip can easy be removed with a screwdriver, even with the wires in place.



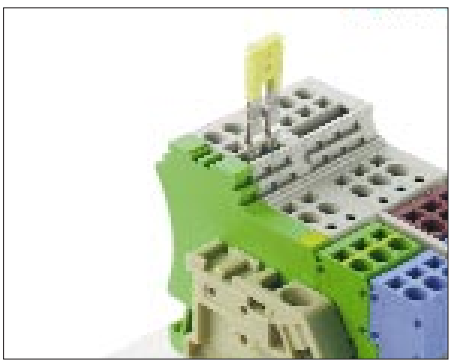
Connecting the initiators
No other terminals are needed to feed the terminals of the initiators, for example. All you need is an additional base element. A rule of thumb is that for each terminal block you need n + 1 base elements as well as a strip of n + 1 ZVL 1.5 BR (+) distribution elements and a strip of n + 1 ZVL BL (-) distribution elements.



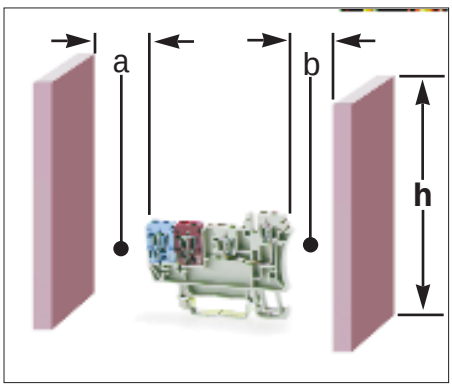
Connecting actuators
To connect n actuators with PE you need n base elements plus one PE base element. The minus and earth are connected to the corresponding n+1 distribution strip. When the ZVL 1.5 PE is attached to the mounting rail the pin contact of the PE base element contacts with the socket contact of the ZVL 1.5 PE. For design reasons the PE base element must be attached to the rail as shown.



Pluggable cross-connection system
The signal lines can be branched using the familiar ZQV 2.5 pluggable cross-connection system.



Minimum space required
The TOP connection and Weidmüller's tension spring technology permit more compact terminals which are ideal for tight and almost inaccessible spaces.
Distance between terminal and wall of enclosure:
a ≥ 6 mm
b ≥ 11.5 mm for 40 mm side walls
≥ 20.5 mm for 60 mm side walls



ZIK•ZAK - Modular distribution system

ZIA 1.5 3L
Base element 3 wire

ZIA 1.5 4L
Base element 4 wire

ZVL1.5
Distribution element

		ZIA 1.5 3L	ZIA 1.5 4L	ZVL1.5
Dimensions				
Width/length/height (mm) Basic element with TS 35 x 7.5		5.08/68/45.8	5.08/81/45.8	
Width/length/height (mm) distribution strip				5/12.9/17.5
Insulation stripping length/clamping screw/blade size		8 mm/-/3.5 x 0.6	8 mm/-/3.5 x 0.6	8 mm/-/3.5 x 0.6
VDE rated data 0611 Part 1/8.92/IEC 947-7-1/1989				
Rated voltage/current/cross-section		250 V/17.5 A/1.5 mm²	250 V/17.5 A/1.5 mm²	250 V/17.5 A/1.5 mm²
Rated voltage/current/cross-section (with LED)		5…30 V/17.5 A/1.5 mm²	5…30 V/17.5 A/1.5 mm²	5…30 V/17.5 A/1.5 mm²
Rated impulse voltage/pollution severity		4 kV/3	4 kV/3	4 kV/3
Further technical data				
Tightening torque range	Nm			
Tightening torque with electric screwdriver DMS2				
Clampable conductor				
"e" solid H07V-U	mm²	0.13…2.5	0.13…2.5	0.13…2.5
"m" stranded H07V-R	mm²			
"f" flexible H07V-K	mm²	0.5…2.5	0.5…2.5	0.5…2.5
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…1.5	0.5…1.5	0.5…1.5
Gauge pin to 947-1	Size	A 1	A 1	A 1
UL/CSA rated data				
Voltage/current/conductor size	UL	Approval applied for	Approval applied for	Approval applied for
Voltage/current/conductor size	CSA			

Ordering data	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Basic element 3-wire	ZIA 1.5/3 L-1 S	**165198**	100						
Basic element 3-wire with LED **for PNP and NPN***	ZIA 1.5/3 L 1 S/LD	**165199**	50						
PE basic element 3-wire	ZIA 1.5/3 L-PE	**165200**	20						
Basic element 4-wire				ZIA 1.5/4 L-1 S	**165201**	100			
Basic element 4-wire with LED **for PNP and NPN***				ZIA 1.5/4 L 1 S/LD	**165202**	50			
PE basic element 4-wire				ZIA 1.5/4 L-PE	**165203**	20			
distribution strip							ZVL 1.5 BR	**165037**	100**
distribution strip							ZVL 1.5 BL	**165036**	100**
distribution strip							ZVL 1.5 PE	**165197**	100**

End plate									
Width/length/height (mm)									
3.8/68/38	3-wire	ZAP/TW ZIA 1.5/3 L	**164954**	50					
3.8/81/38	4-wire				ZAP/TW ZIA 1.5/4 L	**164955**	50		

Cross-connection		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.			
for signal level	2-pole	ZQV 2.5/2	**160886**	60	ZQV 2.5/2	**160886**	60			
ZQV	3-pole	ZQV 2.5/3	**160887**	60	ZQV 2.5/3	**160887**	60			
	4-pole	ZQV 2.5/4	**160888**	60	ZQV 2.5/4	**160888**	60			
	5-pole	ZQV 2.5/5	**160889**	20	ZQV 2.5/5	**160889**	20			
	6-pole	ZQV 2.5/6	**160890**	20	ZQV 2.5/6	**160890**	20			
	7-pole	ZQV 2.5/7	**160891**	20	ZQV 2.5/7	**160891**	20			
	8-pole	ZQV 2.5/8	**160892**	20	ZQV 2.5/8	**160892**	20			
	9-pole	ZQV 2.5/9	**160893**	20	ZQV 2.5/9	**160893**	20			
	10-pole	ZQV 2.5/10	**160894**	20	ZQV 2.5/10	**160894**	20			

Screwdriver									
SD to DIN 5264 A		SD 0.6 x 3.5	**902423**	1	SD 0.6 x 3.5	**902423**	1	SD 0.6 x 3.5	**902423**	1

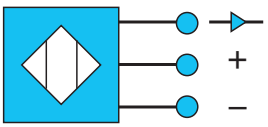
Marking tags	**Print**									
1 2 3 4 5 6	Consecutive horizontal	DEK 5	**047346**	500	DEK 5	**047346**	500	DEK 5	**047346**	500
	Consecutive vertical	DEK 5	**047356**	500	DEK 5	**047356**	500	DEK 5	**047356**	500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

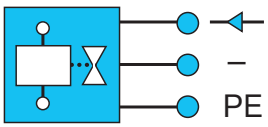
*) pay attention to polarity
**) retro fitted to 20-pole units

ZIK•ZAK - Configuration examples

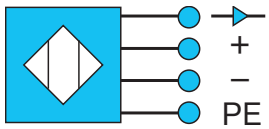
3-wire-initiator



3-wire-actor



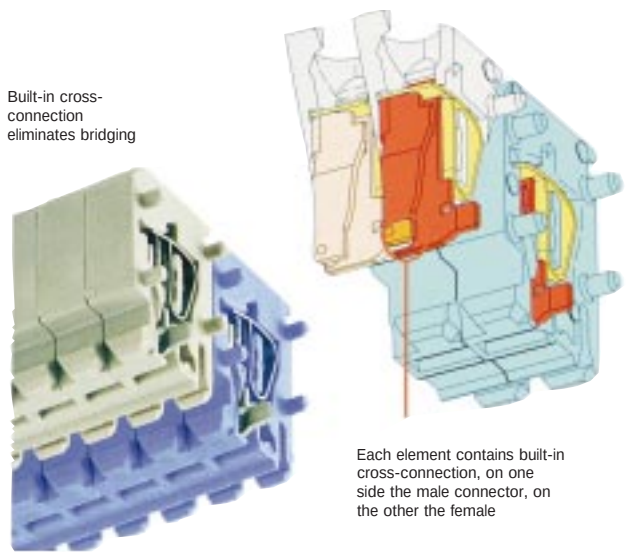
3-wire-initiator With PE

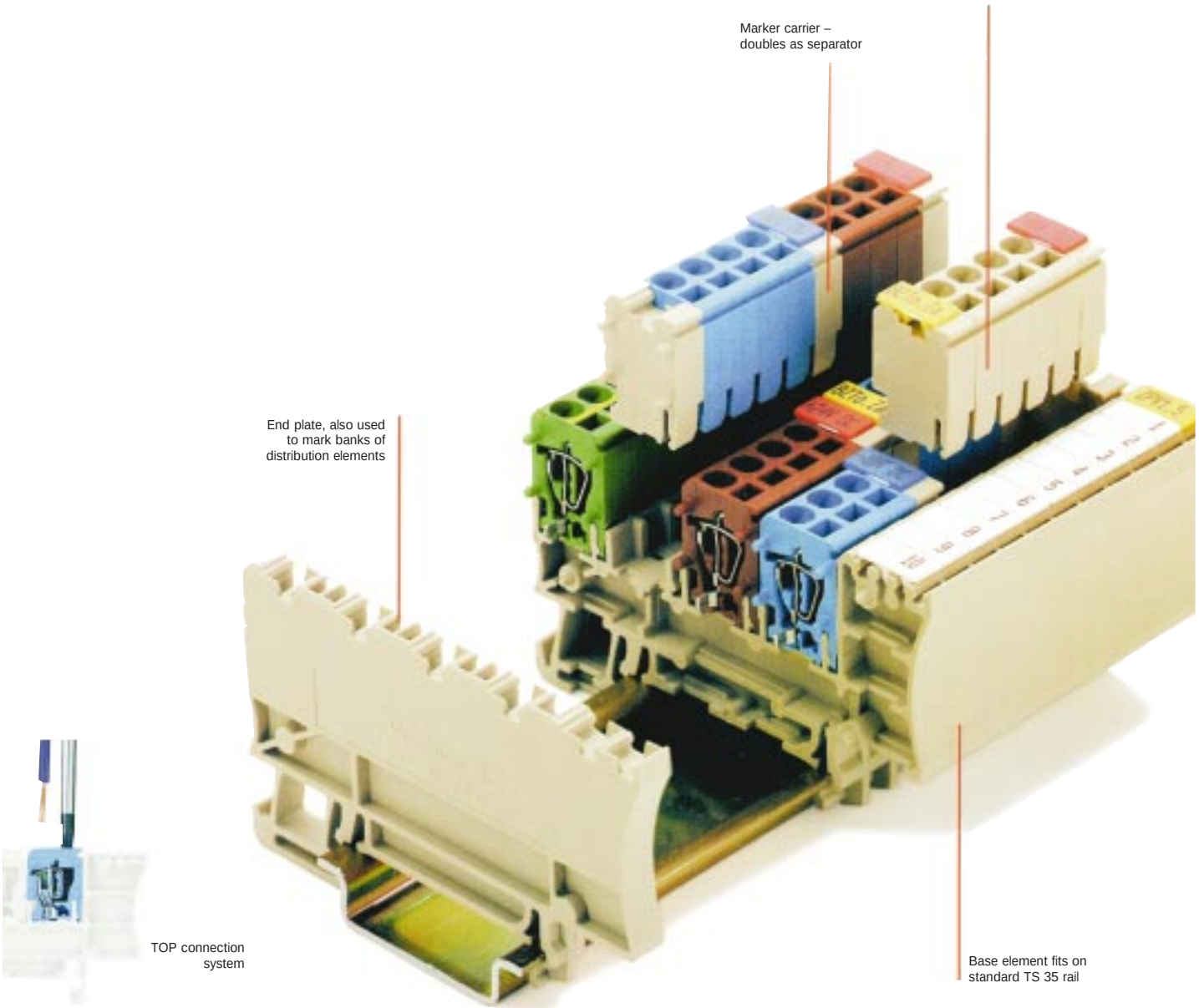


Type	Cat.No.	Qty.					
Basic element 3-wire ZIA 1.5/3 L-1 S	**165198**	100					
			or		**or**		
Basic element 3-wire with LED ZIA 1.5/3 L-1 S/LD **for PNP and NPN**	**165199**	50					
Basic element 4-wire ZIA 1.5/4 L-1 S	**165201**	100					
				or		**or**	**or**
Basic element 4-wire with LED ZIA 1.5/4 L-1 S/LD **for PNP and NPN**	**165202**	50					
					as Needed		
PE-basic element 3-wire ZIA 1.5/3 L-PE	**165200**	20					
						as Needed	**as Needed**
PE-basic element 4-wire ZIA 1.5/4 L-PE	**165203**	20					
			and		**and**		
End plate 3-wire ZAP/TW ZIA 1.5/3 L	**164954**	50					
				and		**and**	**and**
End plate 4-wire ZAP/TW ZIA 1.5/4 L	**164955**	50					
			and	**and**			**and**
Distribution element ZVL 1.5 BR	**165037**	100					
			and	**and**	**and**	**and**	**and**
Distribution element ZVL 1.5 BL	**165036**	100					
					and	**and**	**and**
Distribution element ZVL 1.5 PE	**165197**	100					
			make	**make**	**make**	**make**	**make**
ZIK•ZAK configuration							

ZPV 1.5 – potential distribution eliminates the restrictions of conventional fixed systems

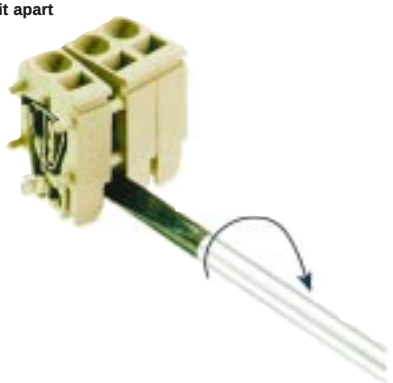
- ZPV 1.5 is modular. You determine the number of poles you need on-site.
- Cross-connections are built in.
- Rearrange the block whenever you need – in seconds.
- Ultra-compact TOP connection thanks to tension-clamp.
  This permits easy wiring, even in tight spaces.
- And, there's room in even the smallest enclosure thanks to the overall compactness of the ZPV.


Built-in cross-connection eliminates bridging
Each element contains built-in cross-connection, on one side the male connector, on the other the female

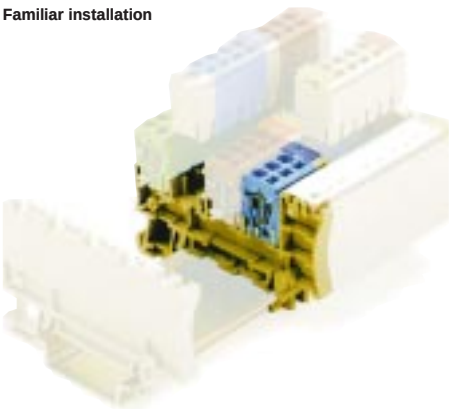

Marker carrier – doubles as separator
End plate, also used to mark banks of distribution elements
TOP connection system
Base element fits on standard TS 35 rail

ZPV 1.5
Variable-pole potential distributors with built-in cross-connection

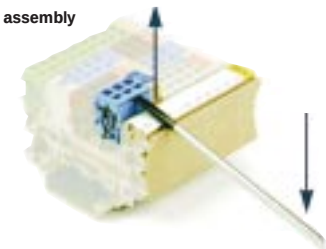
Easy to put together – and split apart



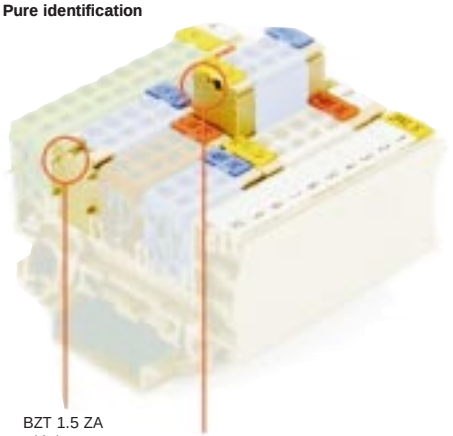
Familiar installation



Flexible assembly



Pure identification



BZT 1.5 ZA
with lugs

BZT 1.5 0.ZA
without lugs

		ZPV 1.5	ZVL 1.5
Dimensions			
Width/length/height (mm)	With TS 35 x 7.5 ⊓⎽⊔	5.08/68/38	5.08/12.9/17.5
Stripping length/fixing screw/blade size			8/-/-
Rated data			
Rated voltage/current/cross-section		250 V/17.5 A/1.5 mm²	250 V/17.5 A/1.5 mm²
Rated impulse voltage/pollution severity to VDE 0110/1.89		4 kV/3	4 kV/3
Further technical data			
Clampable conductor:	mm²		0.13…2.5
“e” solid H07V-U	mm²		0.5:2.5
“f” flexible H07V-K 0.75	mm²		0.5:2.5
“f” with ferrules to DIN 46 228/1	mm²		0.5…1.5
“f” with ferrules with plastic insulating collar	mm²		0.5…1.5
Clampability of two conductors			
2 x “f” H07V-U	mm²		0.75
with twin ferrules (Cat. No. 901851)			
and PZ4 Crimper (Cat.No. 901250) or PZ6/5 (Cat.No. 901146)			
stripping length = 11 ± 0.5 mm			
Gauge pin to IEC 947-1: 1988	Size		A1
Continuous current rating of terminal block for conductor size		24 A/2.5 mm²	24 A/2.5 mm²
UL/CSA rated data			
Voltage/current/conductor size	UL	application submitted	application submitted
Voltage/current/conductor size	CSA	application submitted	application submitted

Ordering data/Version	ZPV 1.5 ⊓⎽⊔ Cat.No.	Qty.	ZVL 1.5 ⊓⎽⊔ Cat.No.	Qty.
Wemid	**167663**	100	**164930**	100*
Blue Wemid			**165036**	100*
Brown Wemid			**165037**	100*
Green/Yellow Wemid			**165197**	100*

End plate/dividers	ZPV 1.5 Type	Cat.No.	Qty.	ZVL 1.5 Type	Cat.No.	Qty.
	ZAP/TWZPV1.5	**167465**	50	ZAP/TWZPV1.5	**167465**	50
Width/Length/Height (mm)	5.08/68/38			5.08/68/38		

Marker carriers				
			BZT ZVL1.5 0ZA	**167662** 100
			BZT ZVL1.5 ZA	**167661** 100

BZT ZVL1.5 ZA BZT ZVL1.5 0.ZA

Screw driver				
			SD 0.6x3.5x100	**902423** 1

Marking tags	
For base element ZPV1.5, marker carriers BZT ZVL1.5 and for end plate ZAP/TW ZPV1.5	ZGB15
	ZGB30
	ZS10/5
	DEK 5
	WS 8/5
	WS 10/5
	WS 12/5

*)Pre-assembled in 20-pole strips

		ZDUB 2.5-2/2AN		ZDUB 2.5-2/4AN	
Dimensions					
Width/length/height (mm)	with TS 15 ⊓	5/33/24		10/33/24	
Insulation stripping length	mm	10		10	
VDE rated data 0611 Part 1/8.92/IEC 947-7-1/1989					
Rated voltage/current/cross-section		800 V/24 A/2.5 mm²		800 V/24 A/2.5 mm²	
Rated insulation voltage to the neighbour terminals					
Rated impulse voltage/pollution severity		8 kV/3		8 kV/3	
Further technical data					
Clampable conductors:					
"e" solid H07V-U	mm²	0.5…2.5		0.5…2.5	
"f" flexible H07V-K	mm²	0.5…2.5		0.5…2.5	
"f" with ferrule to DIN 46 228/1**	mm²	0.5…1.5[1])		0.5…1.5[1])	
"f" with ferrule with plastic insulating collar**	mm²	0.5…1.5[1])		0.5…1.5[1])	
Gauge pin to 947-1	Size	0.13...2.5	A 2	0.13...2.5	A 2
UL/CSA rated data					
Voltage/current/conductor size	UL	- *		- *	
Voltage/current/conductor size	CSA	- *		- *	

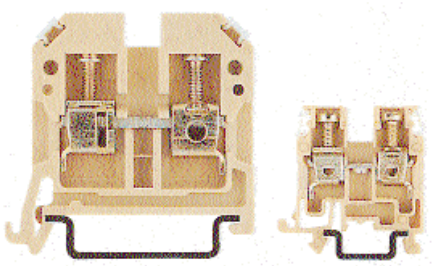
Ordering data		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Centre terminals ZDUB 2.5-2/2AN and **4AN**	beige Wemid	2AN/DM	**170435**	100	4AN/DM	**170454**	100
to be used with TS 15 or Clip versions	blue Wemid	2AN/DM BL	**170436**	100	4AN/DM BL	**170455**	100
in case each individual terminal is not	orange Polyamide	2AN/DM OR	**170437**	100	4AN/DM OR	**170456**	100
equipped with clip or foot		2AN/DM GE	**170438**	100	4AN/DM GE	**170457**	100
		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Multipole terminals ZDUB 2.5-2	2 pole	2AN/2/DB	**170439**	50	4AN/2/DB	**170458**	50
Special versions out off 2AN and 4AN	3 pole	2AN/3/DB	**170440**	50	4AN/3/DB	**170459**	50
as well as other colours will be supplied	4 pole	2AN/4/DB	**170441**	20	4AN/4/DB	**170460**	20
upon customer request	5 pole	2AN/5/DB	**170442**	20	4AN/5/DB	**170461**	20
	6 pole	2AN/6/DB	**170443**	20	4AN/6/DB	**170462**	20
	7 pole	2AN/7/DB	**170444**	20	4AN/7/DB	**170463**	20
	8 pole	2AN/8/DB	**170445**	10	4AN/8/DB	**170464**	10
	9 pole	2AN/9/DB	**170446**	10	4AN/9/DB	**170465**	10
	10 pole	2AN/10/DB	**170447**	10	4AN/10/DB	**170466**	10
	11 pole	2AN/11/DB	**170448**	10	4AN/11/DB	**170467**	10
	12 pole	2AN/12/DB	**170449**	10	4AN/12/DB	**170468**	10
End plate							
ZAP ZDUB = 5 mm thick	Wemid	ZAP ZDUB	**170475**	50	ZAP ZDUB	**170475**	50
ZAP/TW ZDUA = 1.5 mm thick	blue Wemid	ZAP ZDUB BL	**170476**	50	ZAP ZDUB BL	**170476**	50
	orange Wemid	ZAP ZDUB OR	**170477**	50	ZAP ZDUB OR	**170477**	50
Partition							
thickness 5 mm	orange Wemid	ZTW ZDUB	**170434**	50	ZTW ZDUB	**170434**	50
Cross Connection							
ZQB 2.5 for ZDUB Type	2 pole				ZQB 2.5	**167712**	50
Screwdriver							
SD to DIN 5264-A		SD 0.6 x 3.5	**902423**	1			
Marking tags	**Print**						
DEK	Consecutive horizontal	DEK 5	**047346**	500	DEK 5	**047346**	500
DEK	Consecutive vertical	DEK 5	**047356**	500	DEK 5	**047356**	500
ZS-10	blank	ZS 10/5	**161000**	480	ZS 10/5	**161000**	480
ZS-10	printed	ZS 10/5	**161001**	480	ZS 10/5	**161001**	480

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

*) approvals applied for
**) Ferrules crimped gas-tight

1) Crimped with Weidmuller Crimping Tool PZ 6/5 (Cat. No. 901146) 2.5 mm² is possible
2) mounting hole for clip 3.5mm panel thickness 0.6-1.2 mm

SAK/AKZ series system advantages



Stripping length
The required stripping length for every Weidmüller product is stated in mm. These lengths must be observed so that the creepage and clearance paths are not reduced by improper connection.

Assembly
Assembly is carried out on Type TS 32 mounting rails to EN 50 035. TS 35 to EN 50 022 or TS 15 to EN 50 045.

End plate
The last terminal in a rail-mounted assembly must be closed with an end plate. The end plate is held in position by the end bracket.

Partition
Depending on the operating voltage, a partition must be placed between adjacent cross-connection groups. This is necessary in order to maintain the required creepage and clearance paths.

Small partition
Small partitions can be inserted between cross-connections or sockets after assembly in terminal blocks with a max terminal width of 12 mm.

Cover plates
Several VDE regulations require that line (mains) terminals be labelled. For this purpose Weidmüller provides a range of cover plates printed with a warning arrow and the international danger symbol. A warning arrow and the words “Danger Voltage” is printed on the reverse side. The cover plates are affixed to the terminal blocks with plastic screws. Cover plates are available for 3 and 4-way terminals.

Cross-connections

Cross connection systems of the SAK and AKZ Series type Q. QL or VL or other freely accessible live components have to be protected by appropriate ADP 1 to 4 or TSK 31.5 covers when they need to be touch-proof.

Frequently, several terminal blocks have to be interconnected in conducting fashion in order to be able to create current branches. As the terminal point usually needs to remain free for the conductor connection, a cross-connection bridge is inserted in the middle. Where cross-connections of varying potential are arranged side-by-side, partition plates, end cover plates or small partitions must be used to maintain the rated voltage. Cross-connection bridges can normally carry half the rated terminal block current.

Weidmüller distinguished between the following cross-connection units.

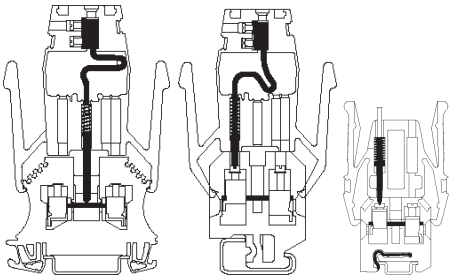
- pre-assembled Type Q cross-connections
- fixed Type QL cross-connections
- removable Type VL cross-connection straps
- removable Type QS cross-connection plugs

Sockets
In place of cross-connections, sockets can be fitted to accept test or short-circuit plugs.

Test plugs
2, 3 and 4 mm diameter test plugs are available for measurement and test operations.

Labelling
The incoming and outgoing lines can be labelled using various marking systems, e.g. dekafix, snap-on tags, etc.

Test adapter

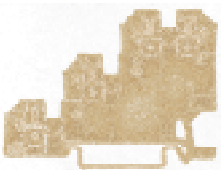
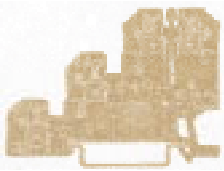
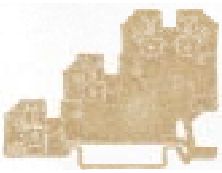
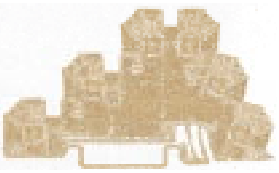


Safe testing of wired terminal blocks is a basic pre-condition for failure-free operation. WTA ..., STA..., and ATA test adapter systems for the individual terminal block families are not only characterised by quick and easy handling, but also offer other advantages:

- “conductor decoupling” between test prod and test conductor prevents the test prod from moving through pull exerted on the test conductor (except WTA5/... and ATA).
- spring-load test contacts ensure reliable connection and low contact resistance
- locating hooks on both sides ensure firm seating on terminals, even with cross-connections fitted.
- modular concept enables arrangement of individual “test units”.
- single-pole test adapters can be interconnected; sturdy strain-relief devices and clear marking options complements the systems.

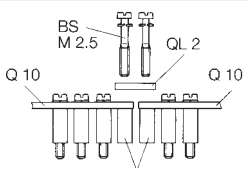
The customary **Sockets** can also be used and test tee-off can take place via spring-loaded **test plugs.** This option exists even with cross-connection fitted.

Initiator terminal blocks
Three-way terminal

	DLI 2.5/35	DLI 2.5 LD/35 PNP	DLI 2.5 LD/35 NPN	DLD 2.5/35
				
Dimensions				
Width/length/height (mm) With TS 32	–	–	–	–
Width/length/height (mm) With TS 35 x 7.5	6/65/49	6/65/49	6/65/49	6/82/49
Insulation stripping length/Clamping screw/blade size	7 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	250 V/20 A/2.5 mm²	5–30 V-/20 A/2.5 mm²	5–30 V-/20 A/2.5 mm²	250 V/24 A/2.5 mm²
Rated impulse voltage/pollution severity	4 kV/3	0.8 kV/3	0.8 kV/3	4 kV/3
Further technical data				
Tightening torque range Nm	0.4…0.7	0.4…0.7	0.4…0.7	0.4…0.7
Torque setting with DMS2 electric screwdriver	1	1	1	1
Clampable conductors				
"e" solid H07V-U mm²	0.5…4	0.5…4	0.5…4	0.5…4
"m" stranded H07V-R mm²	0.5…4	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to 947-1 Size	A 3	A 3	A 3	A 3
Continuous current rating of cross-conn. 2…5-pole A	(Q 2…10) 20	(Q 2…10) 20	(Q 2…10) 20	(Q 2…10) 20
Continuous current rating of cross-conn. 6…10-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG
Voltage/current/conductor size CSA	300 V/10 A/26…12 AWG	–	–	300 V/10 A/26…12 AWG
Ordering data	Cat.No. Qty.	Cat. No. Qty.	Cat. No. Qty.	Cat.No. Qty.
Standard	**131336** 100			**131706** 50
With diode 1N4007				
With red LED (5…30 V)		**157851** 100	**157855** 100	
With green LED (5…30 V)		**157852** 100	**157856** 100	
With LED and diode 1N4007				
With LED and diode 1N4007				
10 per block[1]	(w/o dekafix) **141136** 10	(red LED) **157853** 10	(red LED) **157857** 10	
10 per block[1]	(With dekafix) **157907** 10	(green LED) **157854** 10	(green LED) **157858** 10	
End plate/partition	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
	AP **131326** 20	AP **131326** 20	AP **131326** 20	AP **131766** 20
				AP (part AP) **138186** 20
	TSch 1 **031916** 100	TSch 1 **031916** 100	TSch 1 **031916** 100	TSch 1 **031916** 100
Test plug/socket				
	StB 8.5* (ø 2.3) **021570** 50			StB 8.5* (ø 2.3) **021570** 50
	PS 2.3 **018040** 20			PS 2.3 **018040** 20
Cross-connection				
	Q 2 **131250** 50	Q 2 **131250** 50	Q 2 **131250** 50	Q 2 **131250** 50
	Q 3 **131260** 50	Q 3 **131260** 50	Q 3 **131260** 50	Q 3 **131260** 50
	Q 4 **131270** 50	Q 4 **131270** 50	Q 4 **131270** 50	Q 4 **131270** 50
	Q 10 **131310** 20	Q 10 **131310** 20	Q 10 **131310** 20	Q 10 **131310** 20
	Q 20 **139980** 20	Q 20 **139980** 20	Q 20 **139980** 20	Q 20 **139980** 20
	QL 2 **029720** 100	QL 2 **029720** 100	QL 2 **029720** 100	QL 2 **029720** 100
	VH 3.8 **134580** 100	VH 3.8 **134580** 100	VH 3.8 **134580** 100	VH 3.8 **134580** 100
Group marking				
	WT 4 **134106** 100	WT 4 **134106** 100	WT 4 **134106** 100	WT 4 **134106** 100
	SF 10 **033240** 1000	SF 10 **033240** 1000	SF 10 **033240** 1000	SF 10 **033240** 1000
	SG 10 **033250** 1000	SG 10 **033250** 1000	SG 10 **033250** 1000	SG 10 **033250** 1000
Cover				
	ADP **048540** –	ADP **048540** –	ADP **048540** –	ADP **048540** –
	HP 4 **048586** 20	HP 4 **048586** 20	HP 4 **048586** 20	HP 4 **048586** 20
Marking tags Print				
Consecutive horizontal	FW 6 **046866** –	FW 6 **046866** –	FW 6 **046866** –	FW 6 **046866** –
Consecutive vertical	FS 6 **046876** –	FS 6 **046876** –	FS 6 **046876** –	FS 6 **046876** –

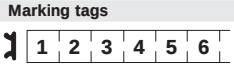
(thickness 1.5 mm)

Q 3



For cross-connections for more than 20modular terminals. Exchange VH for VH 3.8 (134580) without internal threads.

WT 4



Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

[1]) DLI 2.5/35/10 = Block of 10 with built-in cross-connections * on in upper current bar

DLA 2.5	DLA 2.5/D	DLA 2.5/LD	DLA 2.5/LD/D	DLD 2.5/PE
–	–	–	–	–
6/65/49	6/65/49	6/65/49	6/65/49	6/74.5/49
7 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6	7 mm/M 2.5/3.5 x 0.6
250 V**/17.5 A/2.5 mm²	250 V**/17.5 A/2.5 mm²	5–30 V/17.5 A/2.5 mm²	5–30 V/17.5 A/2.5 mm²	250 V**/17.5 A/2.5 mm²
4 kV/3	4 kV/3	0.8 kV/3	0.8 kV/3	4 kV/3
0.4…0.7	0.4…0.7	0.4…0.7	0.4…0.7	0.4…0.7
1	1	1	1	1
0.5…4	0.5…4	0.5…4	0.5…4	0.5…4
0.5…4	0.5…4	0.5…4	0.5…4	0.5…4
0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
A 3	A 3	A 3	A 3	A 3
(Q 2…20) 20	(Q 2…20) 20	(Q 2…20) 20	(Q 2…20) 20	(Q 2…20) 20
300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG
300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	5–30 V/10 A/26…12 AWG	5–30 V/10 A/26…12 AWG	–

⌐¬	Cat.No.	Qty.
	156597	100
(w/o dekafix)	**157838**	10
(with dekafix)	**157839**	10

⌐¬	Cat.No.	Qty
	157840	100
(w/o dekafix)	**157841**	10
(with dekafix)	**157842**	10

⌐¬	Cat.No.	Qty
	157843	100
	157844	100
(red LED)	**157845**	10
(green LED)	**157846**	10

⌐¬	Cat.No.	Qty.
(red LED)	**157847**	100
(green LED)	**157848**	100
(red LED)	**157849**	10
(green LED)	**157850**	10

⌐¬	Cat.No.	Qty.
	159595	100

Type	Cat.No.	Qty.
AP	**131326**	20
TSch 1	**031916**	100
StB 8.5* (ø 2.3)	**021570**	50
PS 2.3	**018040**	20
Q 2	**131250**	50
Q 3	**131260**	50
Q 4	**131270**	50
Q 10	**131310**	20
Q 20	**139980**	20
QL 2	**029720**	100
VH 3.8	**134580**	100
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
ADP	**048540**	–
HP 4	**048586**	20
FW 6	**046866**	–
FS 6	**046876**	–

Type	Cat.No.	Qty.
AP	**131326**	20
TSch 1	**031916**	100
Q 2	**131250**	50
Q 3	**131260**	50
Q 4	**131270**	50
Q 10	**131310**	20
Q 20	**139980**	20
QL 2	**029720**	100
VH 3.8	**134580**	100
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
ADP	**048540**	–
HP 4	**048586**	20
FW 6	**046866**	–
FS 6	**046876**	–

Type	Cat.No.	Qty.
AP	**131326**	20
TSch 1	**031916**	100
Q 2	**131250**	50
Q 3	**131260**	50
Q 4	**131270**	50
Q 10	**131310**	20
Q 20	**139980**	20
QL 2	**029720**	100
VH 3.8	**134580**	100
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
ADP	**048540**	–
HP 4	**048586**	20
FW 6	**046866**	–
FS 6	**046876**	–

Type	Cat.No.	Qty.
AP	**131326**	20
TSch 1	**031916**	100
Q 2	**131250**	50
Q 3	**131260**	50
Q 4	**131270**	50
Q 10	**131310**	20
Q 20	**139980**	20
QL 2	**029720**	100
VH 3.8	**134580**	100
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
ADP	**048540**	–
HP 4	**048586**	20
FW 6	**046866**	–
FS 6	**046876**	–

Type	Cat.No.	Qty.
AP	**159596**	20
AP (Part-AP)	**159597**	
TSch 1	**031916**	100
StB 8.5* (ø 2.3)	**021570**	50
PS 2.3	**018040**	20
Q 2	**131250**	50
Q 3	**131260**	50
Q 4	**131270**	50
Q 10	**131310**	20
Q 20	**139980**	20
QL 2	**029720**	100
VH 3.8	**134580**	100
WT 4	**134106**	100
SF 10	**033240**	1000
SG 10	**033250**	1000
ADP	**048540**	–
HP 4	**048586**	20
FW 6	**046866**	–
FS 6	**046876**	–

** If the cross-connection runs via the PE connection of the DLA, or if a pole is skipped in general, the rated voltage decreases to 30 V AC.

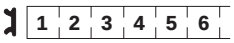
Initiator terminals
Motor terminals

		VLI 1.5	VLI 1.5PE	MAK 2.5
Dimensions				
Width/length/height (mm)	With TS 32 ⊏⎽⎽⊐	–	–	–
Width/length/height (mm)	With TS 35 x 7.5 ⊓⎽⎽⊔	6/79/64	6/69/63	6/88/64
Insulation stripping length/Clamping screw/blade size		8 mm/M 2.5/3.5 x 0.6	8 mm/M 2.5/3.5 x 0.6	8 mm/M 2.5/3.5 x 0.6
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section		250 V/17.5 A/1.5 mm²	250 V/17.5 A/1.5 mm²	400 V (L-L)/250 V (L-PE)/24 A/2.5 mm²
Rated impulse voltage/pollution severity		4 kV/3	4 kV/3	6 kV/3
Further technical data				
Tightening torque range	Nm	0.4…0.7	0.4…0.7	0.4…0.7
Torque setting with DMS2 electric screwdriver		1	1	1
Clampable conductors				
"e" solid H07V-U	mm²	0.5…4.0	0.5…4.0	0.5…4.0
"m" stranded H07V-R	mm²	0.5…4.0	0.5…4.0	0.5…4.0
"f" flexible H07V-K	mm²	0.5…2.5	0.5…2.5	1.5…2.5
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…2.5	0.5…2.5	0.5…2.5
"f" flexible H07V-K and AEH with plastic insulat. collar	mm²	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to 947-1	Size	A3	A3	A3
Continuous current rating of cross-conn. multipole	A	24	24	24
UL/CSA rated data				
Voltage/current/conductor size	UL	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/22…12 AWG
Voltage/current/conductor size	CSA	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/22…12 AWG

Ordering data	Version	⊓⎽⎽⊔ Cat.No.	Qty.	⊓⎽⎽⊔ Cat.No.	Qty.	⊓⎽⎽⊔ Cat.No.	Qty.
Polyamide		**163325**	25	**163331**	25	**161527**	50
						⊏⎽⊐ **163165**	50

Cover plate/partition	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
End plate	AP VLI1.5	**163326**	20	AP VLI1.5/PE	**163332**	20	AP MAK2.5	**161528**	20
Partial end cover plate with combination VLI1.5 – MAK2.5	TEAP 2 MAK2.5	**163333**	20				TEAP 2 MAK2.5	**163333**	20
Partial end cover plate with combination VLI1.5 – VLI1.5PE	TEAP VLI1.5	**163327**	20	TEAP VLI1.5	**163327**	20			
Partial end cover plate with combination VLI1.5PE – MAK2.5				TEAP 1 MAK2.5	**163334**	20	TEAP 1 MAK2.5	**163334**	20
Cross-connection									
VQB 50-pole, snap-fitting, external cross-connection	Blue	VQB1.5/50BL	**163328**	5	VQB1.5/50BL	**163328**	5	VQB1.5/50BL*	**163328**	5
	Red	VQB1.5/50RT	**163329**	5	VQB1.5/50RT	**163329**	5	VQB1.5/50RT*	**163329**	5
	Black	VQB1.5/50SW	**163512**	5	VQB1.5/50SW	**163512**	5	VQB1.5/50SW*	**163512**	5
QB 25-pole	Black							QB 25 SW*	**052000**	20
external cross-connection	Red							QB 25 RT*	**052006**	20
	Blue							QB 25 BL*	**052008**	20

Group marking									
T 5 WGB	T 5	**034850**	100	T 5	**034850**	100	T 5	**034850**	100
Tag carrier	SF 10	**033240**	1000	SF 10	**033240**	1000	SF 10	**033240**	1000
for S 10 markers	SG 10	**033250**	1000	SG 10	**033250**	1000	SG 10	**033250**	1000

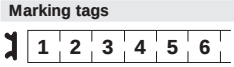
Marking tags	**Print**								
	Consecutive horizontal	FW 5	**047346**	–	FW 5	**047346**	–	FW 5	**047346**	–
	Consecutive vertical	FS 5	**047356**	–	FS 5	**047356**	–	FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* When using cross-connection combs, the wire range reduces by one.

Feed-through terminals

(Test adapter systems see Section 2)

	SAKD 2.5 N SAKD 2.5/10/35	SAK 2.5 SAK 2.5/10/35	SAK 4 SAK 4/10/35	DK 4 Q* DKB4 Q*/10*
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	5/32.5/43.5	6/36.5/46.5	6.5/40/51.5	6/54/60
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	5/44/38	6/45/40	6.5/45/44	6/54/60.5
Insulation stripping length/Clamping screw/blade size	10/M 2.5/3.5 x 0.6	10/M 2.5/3.5 x 0.6	12/M 3/3.5 x 0.6	9/M 3/3.5 x 0.6
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	500 V/24 A/2.5 mm²	800 V/24 A/2.5 mm²	800 V/32 A/4 mm²	500 V/2 x 32 A/4 mm²
Rated impulse voltage/pollution severity	6 kV/3	8 kV/3	8 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.4…0.7	0.4…0.7	0.5…1.0	0.5…1.0
Torque setting with DMS2 electric screwdriver	1	1	2	2
Clampable conductors				
"e" solid H07V-U mm²	0.5…2.5	0.5…6	0.5…6	0.5…4
"m" stranded H07V-R mm²	0.5…2.5	1.5…4	1.5…6	1.5…4
"f" flexible H07V-K mm²	0.5…2.5	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…2.5	0.5…4	0.5…4
Gauge pin to 947-1 Size	A 2	A 3	A 4	A 4
Continuous current rating of cross-conn. 2…5-pole A	20	27	36	20
Continuous current rating of cross-conn. 6…10-pole A	20	27	36	20
Technical data				
Voltage/current/conductor size UL	300 V/20 A/28…12 AWG	600 V/20 A/22…12 AWG	600 V/20 A/22…12 AWG	300 V/27 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/20 A/22…12 AWG	600 V/25 A/26…10 AWG	600 V/36 A/26…10 AWG	300 V/10 A/26…12 AWG
Ordering data Version	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.
Melamine		**027962** 100 **038042** 100	**012832** 100 **044362** 100	
Blue Melamine		**027967** 100 **038047** 100	**012837** 100 **044367** 100	
Stamin		**027963** 100	**012833** 100	
Polyamide	**021556** 100 **026886** 100	**027966**[1] 100 **038046**[1] 100	**012836**[1] 100 **044366**[1] 100	**059006***[1] 100 **059016**[1] 100
Blue Polyamide	**021558** 100 **026888** 100	**027968**[1] 100 **038048**[1] 100	**012838**[1] 100 **044368**[1] 100	**059008***[1] 100 **059018**[1] 100
Orange Polyamide		**132636**[1] 100	**010506**[1] 100 **132366**[1] 100	
10 Terminal blocks marked 1–9 Wemid	**040106** 10 **052316** 10	**032256**[1] 10 **049945**[1] 10	**032266**[1] 10 **053046**[1] 10	**132386***[1] 10
10 Terminal blocks unmarked Wemid	**040116** 10 **052576** 10	**032286**[1] 10 **049756**[1] 10	**030886**[1] 10 **053036**[1] 10	
End plate (thickness mm)	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
Melamine		AP (1.5) **027952** 20	AP (1.5) **011792** 20	
Blue Melamine		AP (1.5) **027957** 20	AP (1.5) **011797** 20	
Stamin		AP (1.5) **027953** 20	AP (1.5) **011793** 20	
Polyamide	AP (1.5) **015096** 20	AP (1.5) 6 **046056** 20	AP (1.5) **011796** 20	AP (1.5) **139716** 20
Blue Polyamide	AP (1.5) **015098** 20	AP (1.5) 6 **046058** 20	AP (1.5) **011798** 20	AP (1.5) **139718** 20
Polyamide		AP (1.5) 8 **027956**** 20		
Blue Polyamide		AP (1.5) 8 **027958**** 20		
Partition (thickness mm)				
TW Melamine		TW (2.5) **030282** 20	TW (2.5) **013012** 20	
Blue Melamine		TW (2.5) **030287** 20	TW (2.5) **010317** 20	
Stamin		TW (2.5) **030283** 20	TW (2.5) **013013** 20	
Polyamide	TW (1.5) **019186** 20	TW (1.5) **030286** 20	TW (1.5) **013016** 20	WTW (Ex) **105880** 20
WTW Blue Polyamide	TW (1.5) **019188** 20	TW (1.5) **030288** 20	TW (1.5) **013018** 20	
HP	TW (1.5)** **030750** 20	TW (1.0)** **029710** 20	TW (1.0)** **019710** 20	TW (2.0) **060700**** 20
Partition				
		TSch 1 **031916** 100	TSch 1 **031916** 100	
	TSch 3 **036686** 100			TSch 6 **019026** 100
Cross-connection				
2-pole	Q 2 **036780** 50	Q 2 **033700** 50	Q 2 **033670** 50	Q 2 **033640** 50
3-pole	Q 3 **036790** 50	Q 3 **033710** 50	Q 3 **033680** 50	Q 3 **033650** 50
4-pole	Q 4 **036800** 50	Q 4 **033720** 50	Q 4 **033690** 50	Q 4 **033660** 50
10-pole	Q 10 **036810** 20	Q 10 **036870** 20	Q 10 **036880** 20	Q 10 **036860** 20
2-pole				QB 2 **048270***** 100
Q 3 QL QB 3-pole				QB 3 **048280***** 50
4-pole				QB 4 **048290***** 50
75-pole				QB 75 bare **052640***** 10
BS VH Insulating profile				IP **052670**
Switchable cross-connection link				
			VL 2 **019700** 100	VL 2 **044670** 50
			VH **028510** 50	VH **105650** 100
VL 2 BS VH			BS **029250** 100	BS **034310** 100
Marking tags Print				
 Consecutive horizontal	FW 5 **047346** –	FW 6 **046866** –	FW 6.5 **046816** –	FW 6 **046866** –
Consecutive vertical	FS 5 **047356** –	FS 6 **046876** –	FS 6.5 **046826** –	FW 6 **046876** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Mounting of LS 2.8 screen rail Cat.No. **105640** possible ** only for TS 32 version
*** max. 2.5 mm² when using QB connector

[1]) Shock proof with ADP 4 cover profile

Feed-through modular terminals

(Test adapter systems see Section 2)

	DK4 QV* DK4 QV/35*	SAK 6 N SAK 6/10/35	SAK 10 SAK 10/10/35	SAK 16 SAK 16/35
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	6/54/60	8/40/51.5	10/40/51.5	12/50/57.5
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	6/54/60.5	8/45/44	10/45/44	12/50/50
Insulation stripping length/Clamping screw/blade size	9 mm/M 3/3.5 x 0.6	12 mm/M 3.5/4.0 x 0.8	12 mm/M 4/5.5 x 1.0	15 mm/M 4/5.5 x 1.0
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	500 V/32 A/4 mm²	800 V/41 A/6 mm²	800 V/57 A/10 mm²	1000 V/76 A/16 mm²
Rated impulse voltage/pollution severity	6 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Tightening torque range Nm	0.5…1.0	0.8…1.6	1.2…2.4	1.2…2.4
Torque setting with DMS2 electric screwdriver	2	3	4	4
Clampable conductors				
"e" solid H07V-U mm²	0.5…6	0.5…10	1.5…16	2.5…16
"m" stranded H07V-R mm²	1.5…4	0.5…6	1.5…16	2.5…25
"f" flexible H07V-K mm²	0.5…4	1.5…4	1.5…10	4…16
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…4	0.5…6	1.5…10	2.5…16
Gauge pin to 947-1 Size	A 3	A 5	B 6	B 6
Continuous current rating of cross-conn. 2…5-pole A	20	47	47	47
Continuous current rating of cross-conn. 6…10-pole A	20	36	36	36
UL/CSA rated data				
Voltage/current/conductor size UL	330 V/27 A/22…12 AWG	600 V/40 A/22…8 AWG	600 V/60 A/14…6 AWG	600 V/80 A/12…4 AWG
Voltage/current/conductor size CSA	300 V/10 A/26…12 AWG	600 V/47 A/20…8 AWG	600 V/65 A/14…6 AWG	600 V/87 A/10…4 AWG

Ordering data Version	⊏⊐ Qty.	⊐⊏ Qty.	⊏⊐ Qty.	⊐⊏ Qty.	⊏⊐ Qty.	⊐⊏ Qty.	⊏⊐ Qty.	⊐⊏ Qty.
Melamine			**019322** 100	**038052** 100	**011002**[2] 100	**044372** 100	**027102** 50	**038062** 50
Blue Melamine				**038057** 100	**011007** 100	**044377** 100		
Stamin			**019323** 100		**011003** 100		**027103** 50	
Polyamide	**059026**[*1)] 100	**036366**[*1)] 100	**019326**[1)] 100	**038056**[1)] 100	**011006**[1)] 100	**044376**[1)] 100	**027106**[1)] 50	**038066**[1)] 50
Blue Polyamide	**059028**[*1)] 100	**036368**[*1)] 100	**019328**[1)] 100	**038058**[1)] 100	**011008**[1)] 100	**044378**[1)] 100	**027108**[1)] 50	**038068**[1)] 50
Orange Polyamide			**032276**[1)] 10	**053056**[1)] 10	**035326**[1)] 10	**055386**[1)] 10		
10 Terminal blocks marked 1–9 Wemid			**030896**[1)] 10	**053066**[1)] 10	**035316**[1)] 10	**055396**[1)] 10		
10 Terminal blocks unmarked Wemid								

End plate (thickness mm)	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat. No.	Qty.
Melamine				AP (1.5)	**011792**	20	AP (1.5)	**011792**	20	AP (3.0)	**027112**	20
Blue Melamine				AP (1.5)	**011797**	20	AP (1.5)	**011797**	20			
Stamin				AP (1.5)	**011793**	20	AP (1.5)	**011793**	20	AP (3.0)	**027113**	20
Polyamide	AP (1.5)	**139716**	20	AP (1.5)	**011796**	20	AP (1.5)	**011796**	20	AP (1.5)	**027116**	20
Blue Polyamide	AP (1.5)	**139718**	20	AP (1.5)	**011798**	20	AP (1.5)	**011798**	20	AP (1.5)	**027118**	20
Partition (thickness mm)												
TW Melamine				TW (1.5)	**013012**	20	TW (1.5)	**013012**	20	TW (3.0)	**028112**	20
Blue Melamine							TW (1.5)	**013017**	20			
Stamin				TW (1.5)	**013013**	20	TW (1.5)	**013013**	20	TW (3.0)	**028113**	20
Polyamide	WTW (Ex)	**105880**	20	TW (1.5)	**013016**	20	TW (1.5)	**013016**	20	TW (1.5)	**030366**	10
Polyamide				TW (1.5)	**013018**	20	TW (1.5)	**013018**	20	TW (1.5)	**030368**	10
HP	TW (2.0)	**060700****	20	TW (1.5)	**019710****	20	TW (1.5)	**019710****	20	TW (2.0)	**060700****	20
Small partition	TSch 6	**019026**	100	TSch 1	**031916**	100	TSch 1	**031916**	100	TSch 1	**031916**	100
Cross-connection												
2-pole	Q 2	**033640**	50	Q 2	**045670**	50	Q 2	**045710**	50	Q 2	**045750**	50
3-pole	Q 3	**033650**	50	Q 3	**045680**	50	Q 3	**045720**	50	Q 3	**045760**	50
4-pole	Q 4	**033660**	50	Q 4	**045690**	50	Q 4	**045730**	50	Q 4	**045770**	50
10-pole	Q 10	**036860**	20	Q 10	**045700**	20	Q 10	**045740**	20	Q 10	**045780**	20
Q 3	QB 2	**048270****	100									
	QB 3	**048280****	50									
	QB 4	**048290****	50									
	QB 75 bare	**052640****	10									
	IP	**052670**	– m									
Cover												
	AD 4	**030340**	50	AD 4	**019660**	50	AD 4	**017860**	50	AD 4	**051820**	50
	BSK M 2.5 x 18	**030330**	100	BSK M 3 x 22	**012890**	100	BSK M 3 x 22	**012890**	100	BSK M 3 x 22	**012890**	100
Switchable cross-connection link												
VL 2	VL 2	**044670**	50	VL 2	**019470**	50	VL 2	**013590**	50	VL 2	**013580**	50
VH	VH	**105650**	100	VH	**028510**	50	VH	**028510**	50	VH	**028510**	50
BS	BS	**034310**	100	BS	**029250**	100	BS	**029250**	100	BS	**029250**	100
Marking tags **Print**												
1 2 3 4 5 6 Consecutive horizontal	FW 6	**046866**	–	FW 8	**127696**	–	FW 5	**047346**	–	FW 5	**047346**	-
Consecutive vertical	FW 6	**046876**	–	FS 8	**128966**	–	FS 5	**047356**	–	FS 5	**047356**	-

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

*) Accepts LS 2.8. screen lugs, Cat.No. 105640

**) For TS 32 version only

***) Max. 2.5 mm² conductor connection when using QB.

[1]) Shock proof with ADP 4 cover profile

Feed-through terminals

	SAK 35 N SAK 35 N/35	SAK 35 SAK 35/35	SAK 70 SAK 70/35	SAK 95 SAK 95/35
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	16/58/67.5	18/58/67.5	22/75/79.5	28/83.5/100.5
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	16/63/60	18/58/60	22/75/87	28/83.5/96.5
Insulation stripping length/Clamping screw/blade size	18 mm/M 6/6.5 x 1.2	20 mm/M 6/6.5 x 1.2	24 mm/M 8/S 6 D911	30 mm/M 10/S 8 D6911
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	1000 V/125 A/35 mm²	1000 V/125 A/35 mm²	1000 V/192 A/70 mm²	1000 V/232 A/95 mm²
Rated impulse voltage/pollution severity	8 kv/3	8 kv/3	8 kv/3	8 kv/3
Further technical data				
Tightening torque range Nm	2.5…5.0/3.0…6.0***	2.5…5.0/3.0…6.0***	6.0…12.0	10.0…20.0
Torque setting with DMS2 electric screwdriver				
Clampable conductors				
"e" solid H07V-U mm²	2.5…16	6…16	16	10…16
"m" stranded H07V-R mm²	2.5…50	6…50	16…70	10…120
"f" flexible H07V-K mm²	2.5…35	10…35	16…70	10…95
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	2.5…35	6…35	16…35	10…35
Gauge pin to 947-1 Size	B 8	B 9	B 11	B 12
Continuous current rating of cross-conn. 2…5-pole A	65	65	180	180
Continuous current rating of cross-conn. 6…10-pole A	65	65		
UL/CSA rated data				
Voltage/current/conductor size UL	600 V/100 A/12…2 AWG	600 V/100 A/6…2 AWG	600 V/145 A/4…2/0 AWG	600 V/190 A/6…3/0 AWG
Voltage/current/conductor size CSA	600 V/120 A/12…2 AWG	600 V/145 A/6…2 AWG	600 V/150 A/4…2/0 AWG	600 V/260 A/6…3/0 AWG

Ordering data — **Version**

Version	⊏⊐ Qty.	⊐⊏ Qty.
Melamine	**055062** 20	**060822** 20
Hexagon socket Melamine	**055572** 20	**060832** 20
Blue hexagon socket Melamine		**060837** 20
Stamin	**055063** 20	
Hexagon socket Stamin	**055573** 20	
Polyamide	**055066** 20	**060826** 20
Hexagon socket Polyamide	**055576** 20	**060836** 20
Blue Polyamide		

SAK 35 N / SAK 35 N/35 ⊏⊐	Qty.	⊐⊏	Qty.
Melamine	**030352** 20		
Hexagon socket Melamine	**047652** 20		
Blue hexagon socket Melamine			
Stamin	**030353** 20		
Hexagon socket Stamin			
Polyamide	**030356** 20	**038076**	20
Hexagon socket Polyamide	**047656** 20	**058246**	20
Blue Polyamide	**030358** 20	**038078**	20

SAK 70 / SAK 70/35 ⊏⊐	Qty.	⊐⊏	Qty.
Melamine	**034082** 10		
Hexagon socket Melamine	**034087** 10		
Blue hexagon socket Melamine			
Stamin			
Hexagon socket Stamin	**034083** 10		
Polyamide			
Hexagon socket Polyamide		**013916**	10
Blue Polyamide			

SAK 95 / SAK 95/35 ⊏⊐	Qty.	⊐⊏	Qty.
Melamine	**055052** 10	**066222**	10
Hexagon socket Melamine		**066227**	10
Blue hexagon socket Melamine			
Stamin			
Hexagon socket Stamin			
Polyamide			
Hexagon socket Polyamide			
Blue Polyamide			

End plate (thickness mm)

	Type	Cat.No.	Qty.
Melamine	AP (3.0)	**030362**	10
Blue Melamine	AP (3.0)	**030367**	10
Stamin	AP (3.0)	**030363**	10
Polyamide	AP (1.5)	**030366**	10
Blue Polyamide	AP (3.0)	**030368**	10
Orange Polyamide			

SAK 35 N / SAK 35 N/35	Type	Cat.No.	Qty.
Melamine	AP (3.0)	**030362**	10
Blue Melamine	AP (3.0)	**030367**	10
Stamin	AP (3.0)	**030363**	10
Polyamide	AP (1.5)	**030366**	10
Blue Polyamide	AP (3.0)	**030368**	10

SAK 70 / SAK 70/35	Type	Cat.No.	Qty.
Melamine	AP (4.0)	**034092**	10
Blue Melamine			
Stamin	AP (4.0)	**034093**	10
Polyamide	AP (2.0)	**034096**	10
Blue Polyamide			

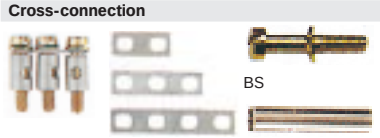
SAK 95 / SAK 95/35	Type	Cat.No.	Qty.
Melamine	AP (3.0)	**055092**	10
Blue Melamine	AP (3.0)	**055097**	10
Stamin			
Polyamide			
Blue Polyamide			

Partition (thickness mm)

	SAK 35 N / SAK 35 N/35			SAK 35 / SAK 35/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Melamine	TW (3.0)	**030432**	10	TW (3.0)	**030432**	10
Blue Melamine						
Stamin	TW (3.0)	**030433**	10	TW (3.0)	**030433**	10
Polyamide	TW (1.5)	**030436**	10	TW (1.5)	**030436**	10
Blue Polyamide						

SAK 70 / SAK 70/35				SAK 95 / SAK 95/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Melamine						
Blue Melamine						
Stamin						
Polyamide						
Blue Polyamide						

Cross-connection



Q 3 QL BS VH

	SAK 35 N / SAK 35 N/35			SAK 35 / SAK 35/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
2-pole	QL 2	**056490**	50	QL 2	**012360**	20
3-pole	QL 3	**056500**	50	QL 3	**012370**	20
4-pole	QL 4	**056510**	50	QL 4	**012380**	20
10-pole	QL 10	**056520**	50	QL 10	**033860**	20
	VH 17	**026700**	50	VH 17	**026700**	50
	BS M 4x30	**026710**	50	BS M 4x30	**026710**	50
	SS M 4	**013640**	100	SS M 4	**013640**	100

SAK 70 / SAK 70/35				SAK 95 / SAK 95/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
2-pole	QL 2	**034530**	20	QL 2	**055120**	10
3-pole	QL 3	**016700**	20			
4-pole						
10-pole						
	VH 30.5	**034550**	20	VH 35	**055110**	10
	BS M 5x45	**034560**	20	BS M 5x50	**063020**	20
	SS M 5	**034610**	100			

Switchable cross-connection link

VL 2 BS VH

	SAK 35 N / SAK 35 N/35			SAK 35 / SAK 35/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
				VL 2	**012400**	50
				VH 24.5	**029870**	50
				BS M 4x35	**029890**	50

SAK 70 / SAK 70/35				SAK 95 / SAK 95/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.

Cover

SAK 35 N / SAK 35 N/35			SAK 35 / SAK 35/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	AD 4	**057670**	50	AD 4	**017870**	20
	BSK M 4x32	**012910**	50	BSK M 4x32	**012910**	50
	PS 4	**029960**	20	PS 4	**029960**	20

SAK 70 / SAK 70/35				SAK 95 / SAK 95/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	AD 4	**034430**	–	ADP 4	**048540**	–
	BSK M 5x45	**034440**	50			
	PS 4	**029960**	20	PS 4	**029960**	20

Marking tags — **Print**

Print	SAK 35 N / SAK 35 N/35			SAK 35 / SAK 35/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Consecutive horizontal	FW 5	**047346**	–	FW 5	**047346**	–
Consecutive vertical	FS 5	**047356**	–	FS 5	**047356**	–

Print	SAK 70 / SAK 70/35			SAK 95 / SAK 95/35		
	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Consecutive horizontal	FW 5	**047346**	–	FW 5	**047346**	–
Consecutive vertical	FS 5	**047356**	–	FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Accepts LS 2.8 scree lugs, Cat.No. **105640** ** For TS 32 version only *** With hexagon socket

Distribution terminals
Type KB
Input-lug connection
Output-screw clamp connections

KB 10/6
700 V
(see rating diagram)

KB 10/10
700 V
(see rating diagram)

		KB 10/6			KB 10/10		
Technical data							
Conductor size	Solid (mm^2)	2.5-16 (out)			2.5-16 (out)		
	Stranded (mm^2)	70 (in) 2.5-16 (out)			70 (in) 2.5-16 (out)		
	Bolt size	M8 x 20			M8 x 20		
Insulation stripping length	(mm)	12			12		
Ordering data			Cat.No.	Qty.		Cat.No.	Qty.
Moulding material	Polyamide	w. Angled Lug	**062656**	1	w. Angled Lug	**062926**	1
	Polyamide	w. Straight Lug	**062646**	10	w. Straight Lug	**062916**	10
Approvals							
All Approvals are listed in Approvals section							
Terminal rail (2m)							
	Steel	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	Steel (M6 Slots)	TS 32	**012280**	1	TS 32	**012280**	1
		TS 32	**067610**	1	TS 32	**067610**	1
Locking Pin (1m) – optional	Steel	SST 3	**015270**	1	SST 3	**015270**	1
Lug connections							
	Angled	A/L Conn.	**052730**	1	A/L Conn.	**052730**	1
	Straight	S/L Conn.	**052720**	1	S/L Conn.	**052720**	1
Cover (1m)							
	Transparent cover	ADP 3	**048540**	1	ADP 3	**048540**	1
	Support bracket	HP 4	**048586**	20	HP 4	**048586**	20
Marking tags							
		DEKAFIX – Section 3			DEKAFIX – Section 3		

Application
Ceramic Terminals are designed for high temperature applications, for example in fire hazards. For this purpose, all materials have been carefully selected.
Housing: ‘Steatire’ C22/IEC6723
Current bar: Copper
Cross connection: Copper

Two variants are available to suit particular applications:

1. Current bar with tin-plating for 210 °C continuous rating.
2. Current bar and clamping yokes with nickelplating for fire-rated application, e.g. 750 °C for three hours.

Earth
Where earth terminals are required in high temperature applications the EK2 (032311) should be used.

Locking Pin
We recommend locking pin SST3 be used in areas subject to excessive virbration and elevated temperatures over long duration.

Handling
As with any ceramic material, care should be taken when handling.

		SAKK 4 **750V 36A** for high continuous temperatures			**SAKK 10** **750V 65A** for high continuous temperatures		
		Thickness 8mm			**Thickness 11.5mm**		
Technical data							
Conductor size	Solid (mm^2)	0.5-6			2.5-16		
	Stranded (mm^2)	0.5-4			2.5-10		
	width/length/height	8/40/53			11.5/40/53		
Insulation stripping length	(mm)	12			12		
Ordering data			Cat No.	Qty.		Cat No.	Qty.
Moulding material	Ceramic		**159808**	50		**159809**	50
To order EEx‘e’ and EX‘N’ terminals, add suffix ‘E’ or ‘N’ to cat no.							
Approvals							
All Approvals are listed in Approvals section							
Terminal rail (2m)		Type	Cat No.	Qty.	Type	Cat No.	Qty.
	Steel	TS 32	**012280**	1	TS 32	**012280**	1
	Steel (M6 Slots)	TS 32	**067610**	1	TS 32	**067610**	1
Locking Pin (1m)	Steel	SST 3	**015270**	1	SST 3	**015270**	1
End bracket (thickness mm)							
		MEW 1/32	**044560**	20	MEW 1/32	**044560**	20
End plate (thickness mm)							
	Ceramic	AP (SAKK4 -10)	**950263**	10	AP (SAKK4 -10)	**950263**	10
Cross-connections							
	2 way	QL 2	**950942**	100	QL 2	**950947**	100
	3 way	QL 3	**950943**	100	QL 3	**950948**	50
	4 way	QL 4	**950944**	50	QL 4	**950949**	50
	10 way	QL 10	**950945**	20	QL 10	**950950**	20
	Sleeve	VH 13.5	**950946**	50	VH 13.5	**950951**	50
	Screw	BS (M3 x 20)	**030300**	100	BS (M3 x 20)	**030300**	100
		Captive on screw			Captive on screw		
Test plug							
Cover (1m)							
Marking tags							
		DEKAFIX – Section 3			DEKAFIX – Section 3		

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Screw clamp connections

		SAKK 4 750V 36A for fire-rated applications			SAKK 10 750V 65A for fire-rated applications		
		Thickness 8mm			**Thickness 11.5mm**		
Technical data							
Conductor size	Solid (mm^2)	0.5-6			2.5-16		
	Stranded (mm^2)	0.5-4			2.5-10		
	width/length/height	8/40/53			11.5/40/53		
Insulation stripping length	(mm)	12			12		
Ordering data			Cat No.	Qty.		Cat No.	Qty.
Moulding material	Ceramic		**950260**	50		**950261**	50
To order EEx'e' and EX'N' terminals, add suffix 'E' or 'N' to cat no.							
Approvals							
All Approvals are listed in Approvals section							
Terminal rail (2m)		Type	Cat No.	Qty.	Type	Cat No.	Qty.
	Steel	TS 32	**012280**	1	TS 32	**012280**	1
	Steel (M6 Slots)	TS 32	**067610**	1	TS 32	**067610**	1
Locking Pin (1m)	Steel	SST 3	**015270**	1	SST 3	**015270**	1
End bracket (thickness mm)							
		MEW 1/32	**044560**	20	MEW 1/32	**044560**	20
End plate (thickness mm)		.					
	Ceramic	AP (SAKK4 -10)	**950263**	10	AP (SAKK4 -10)	**950263**	10
Cross-connections							
	2 way	QL 2	**950254**	100	QL 2	**950265**	100
	3 way	QL 3	**950255**	100	QL 3	**950266**	50
	4 way	QL 4	**950256**	50	QL 4	**950267**	50
	10 way	QL 10	**950257**	20	QL 10	**950268**	20
	Sleeve	VH 13.5	**950258**	100	VH 12.5	**950269**	50
	Screw	BS (M3 x 20)	**950328**	100	BS (M3 x 20)	**950328**	100
		Captive on screw			Captive on screw		
Test plug							
Cover (1m)							
Marking tags							
		DEKAFIX – Section 3			DEKAFIX – Section 3		

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Feed-through terminals
Type SAKH
Screw clamp connections

SAKH 6
1000V 41A*

Thickness 14mm

SAKH 10
1500V 65A

Thickness 14mm

Technical data							
Conductor size	Solid (mm^2)	0.5-6		2.5-10			
	Stranded (mm^2)	0.5-6		2.5-10			
	width/length/height	14/58/76.5		14/58/76.5			
Insulation stripping length	(mm)	12		12			
Ordering data			Cat No. Qty.		Cat No. Qty.		
Moulding material	Beige Melamine		**012662** 25		**012672** 25		
To order EEx'e' and EX'N' terminals, add suffix 'E' or 'N' to cat no.							
Approvals							
All Approvals are listed in Approvals section		BASEFA NV		BASEFA NV			
Terminal rail (2m)		Type	Cat No. Qty.	Type	Cat No. Qty.		
	Steel	TS 32	**012280** 1	TS 32	**012280** 1		
	Steel (M6 Slots)	TS 32	**067610** 1	TS 32	**067610** 1		
Locking Pin (1m)	Steel	SST 3	**015270** 1	SST 3	**015270** 1		
End bracket (thickness mm)		EWK 2 (15)	**019936** 50	EWK 2 (15)	**019936** 50		
End plate (thickness mm)							
	Ceramic	AP (4)	**013172** 10	AP (4)	**013172** 10		
Cross-connections							
	2 way	QL 2	**013140** 50	QL 2	**013140** 50		
	3 way	QL 3	**013150** 50	QL 3	**013150** 50		
	4 way	QL 4	**013160** 50	QL 4	**013160** 50		
	10 way	QL 10	**033870** 20	QL 10	**033870** 20		
	Sleeve	VH 13.5	**024900** 100	VH 13.5	**024900** 100		
	Screw	BS (M3 x 20)	**030300** 100	BS (M3 x 20)	**030300** 100		
		Captive on screw		Captive on screw			
Test plug							
	Plug	PS (4ø)	**029960**	PS (4ø)	**029960**		
	Plug bolt	StB 14	**016990**	StB 14	**016990**		
Cover (1m)							
	Transparent cover	ADP 3	**048540**	ADP 3	**048540**		
	Support bracket	HP 3	**048576**	HP 3	**048576**		
Marking tags		DEKAFIX – Section 3		DEKAFIX – Section 3			

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* 1600V 41A possible to VDE 0110.89

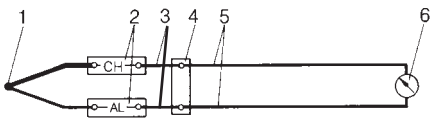
Terminal blocks for temperature measuring circuits

Current rails from material of thermo-couples to DIN IEC 584

	SAK 2.5 TC	DK 4 TC

Weidmüller **thermocouple elements** are specially designed to transmit very small voltages in temperature measuring circuits. Special busbars ensure that no false signals are transmitted in the terminal when temperature differences between the positive and the negative paths exist. This high measuring precision is required, for example, in aircraft engine performance test rigs, complicated chemical processes, controllers, etc.

I. Configuration of a temperature measuring circuit



1 Thermocouple (sensor)
2 Thermocouple terminals
3 Compensating conductor
4 Reference junction
5 Supply conductors (to and from)
6 Measuring instrument

These thermocouple terminals shown in this measuring circuit thermoelectrically transmit thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature circuit.

II. Technical data
Thermocouples to IEC 584 DIN 43710

	Terminal designation	Trade name of the busbar material
a)(Type J)		
Fe (positive leg)		Iron
CuNi (negative leg)		Constantan
b)(Type T)		
Cu (positive leg)		Copper
CuNi (negative leg)		Constantan
c)(Type K)		
NiCr (positive leg)		Chromel
Ni (negative leg)		Alumel
d)(Type E)		
NiCr (positive leg)		Chromel
CuNi (negative leg)		Constantan

		SAK 2.5 TC	DK 4 TC
Dimensions			
Width/length/height (mm)	⌙	6/36.5/49.5	6/54/59.5
Width/length/height (mm)	⌚	–	6/54/60.5
Insulation stripping length/Clamping screw/blade size		10 mm/M 2.5/3.5 x 0.6	9 mm/M 3/3.5 x 0.6
Technical data/VDE			
Rated voltage/current/cross-section		–/–/2.5 mm²	–/– 4 mm²

Ordering data	Version	Type	SAK 2.5 TC ⌚	SAK 2.5 TC ⌙	SAK 2.5 TC Qty.	DK 4 TC ⌚	DK 4 TC ⌙	DK 4 TC Qty.
	NiCr			**010726**	100			
	Ni			**010716**	100			
	CuNi			**018986**	100			
	Fe			**019006**	100			
	Cu			**018996**	100			
	NiCr/Ni	K				**133826**	**128416**	100
	Cu/CuNi	T				**133816**	**128566**	100
	Fe/CuNi	J				**128406**	**133806**	100
	NiCr/CuNi	E				**133877**		

End plate (thickness mm)	SAK 2.5 TC Type	SAK 2.5 TC Cat.No.	SAK 2.5 TC Qty.	DK 4 TC Type	DK 4 TC Cat.No.	DK 4 TC Qty.
Melamine						
Blue Melamine						
Stamin						
Polyamide	AP (1.5)	**027956**	20	AP (1.5)	**063136**	20
Blue Polyamide						
Orange Polyamide						

Partition (thickness mm)	SAK 2.5 TC Type	SAK 2.5 TC Cat.No.	SAK 2.5 TC Qty.	DK 4 TC Type	DK 4 TC Cat.No.	DK 4 TC Qty.
Melamine						
Blue Melamine						
Stamin						
Polyamide	TW (1.5)	**030286**	20			
WEM for TS 32 HP				WTW (Ex)e	**105880**	20
				TW HP (2.0)	**060700**	20

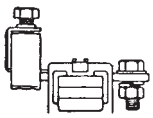
Marking material		SAK 2.5 TC Type	SAK 2.5 TC Cat.No.	SAK 2.5 TC Qty.	DK 4 TC Type	DK 4 TC Cat.No.	DK 4 TC Qty.
1 2 3 4 5 6	Consecutive horizontal	FW 6	**046866**	–	FW 6	**046866**	–
	Consecutive vertical	FS 6	**046876**	–	FS 6	**046876**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

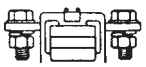
The Weidmüller SAKG range offers the following connection variants:

- Clamping yoke connection, version III. The stripped conductor can be connected without further preparation.
- Lug connection, version II. Two types of screw connection are provided here:
  a) Screw set with lock nut
  b) with thread in busbar
- Clamping yoke/lug connection as a combination, version I.

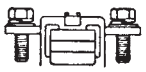
Versions



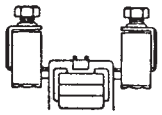
Version I



Version II
without thread



Version II
with thread

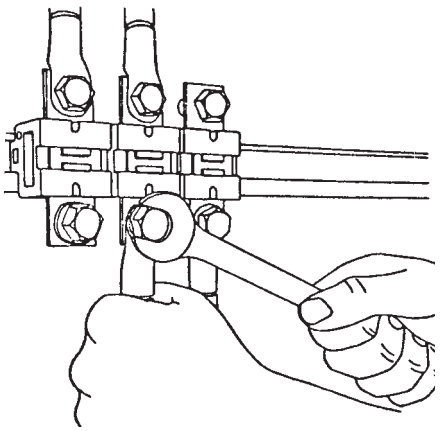


Version III

Cables with cable lugs are connected to Version I SAKG terminals and SS stud terminals.

Fitting instructions for SAKG terminals

When tightening the clamping screw, it is recommended that the conductor be held against the tightening direction in order to avoid any deformation of the mounting rail and to keep the terminal foot free of torsional forces.

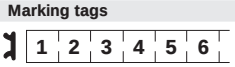


Cover

To ensure shock protection following connection of the **conductors**, Type **AH** hoods can be snapped onto the terminal.

		SAKG 28 I	SAKG 28 II
Dimensions			
Width/length/height (mm)	With TS 32 ⊏⎽⊐	28/70/63.5	28/70/53
Width/length/height (mm)	With TS 35 x 7.5 ⊐⎽⊏	–	–
Insulation stripping length/Clamping screw/blade size		15 mm/M 6/–	–/M 6/–
VDE rated data 0611 Part 1/8.92/IEC 947-7-1			
Rated voltage/current/cross-section		1000 V*/125 A/35 mm²	1000 V*/125 A/35 mm²
Rated impulse voltage/pollution severity		8 kV/3	8 kV/3
Further technical data			
Tightening torque range	Nm	3…6	3…6
Torque setting with DMS2 electric screwdriver			
Clampable conductors			
"e" solid H07V-U	mm²	6…35	
"m" stranded H07V-R	mm²	6…35	
"f" flexible H07V-K	mm²	10…35	
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	6…35	
Gauge pin to 947-1	Size	B 9	
Continuous current rating of cross-conn. 2…5-pole	A	(QL 2) 110	(QL 2) 110
Continuous current rating of cross-conn. 6…10-pole	A		
UL/CSA rated data			
Voltage/current/conductor size	UL	600 V/95 A/2 AWG	600 V/115 A/2 AWG
Voltage/current/conductor size	CSA	600 V/110 A/6…1 AWG	600 V/110 A/6…1 AWG
Ordering data	Type	⊏⎽⊐ Qty.	⊏⎽⊐ Qty.
	Melamine	**017002** 10	**017032** 10

End plate, hard paper (thickness mm)		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	for ⊏⎽⊐	EP 1 (2)	**020510**	10	EP 1 (2)	**020510**	10
	Tropic proof	EP 1 (2)	**020520**	10	EP 1 (2)	**020520**	10
	for ⊐⎽⊏						
	Tropic proof						
Partition. hard paper (thickness mm)							
		TW 1 (2)	**015140**	10	TW 1 (2)	**015140**	10
	Tropic proof	TW 1	**016460**	10	TW 1	**016460**	10
Cross-connection							
	2-pole	QL 2	**019390**	5	QL 2	**019390**	5
	3-pole	QL 3	**040760**	5	QL 3	**040760**	5
	4-pole	QL 4	**040770**	5	QL 4	**040770**	5
Cover							
		AH 28	**032666**	10	AH 28	**032666**	10

Marking tags	**Print**					
 1 2 3 4 5 6	Consecutive horizontal	FW 5	**047346**	–	FW 5	**047346**	–
	Consecutive vertical	FS 5	**047356**	–	FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

*Maintain the clearance and creepage when attaching wires. If necessary use a TW Clearance and creepage table

Terminals/accessories

	SAKG 28 II G	SAKG 28 III	SAKG 32 I SAKG 32/35 I	SAKG 32 II G SAKG 32/35 II G
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	28/70/53	28/70/63.5	32/87/84.	32/84/53
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	–	–	32/87/84.5	32/84/51
Insulation stripping length/Clamping screw/blade size	–/M 6/–	–/M 6/–	23. 26** mm/M 8/–	–/M 8/–
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	1000 V*/125 A/35 mm²	1000 V*/125 A/35 mm²	1000 V*/150 A/70 mm²	1000 V*/150 A/70 mm²
Rated impulse voltage/pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Tightening torque range Nm	3…6	3…6	6…12	6…12
Torque setting with DMS2 electric screwdriver				
Clampable conductors				
"e" solid H07V-U mm²		6…35	10…70	
"m" stranded H07V-R mm²		6…35	10…70	10…70
"f" flexible H07V-K mm²		10…35	10…70	
"f" flexible H07V-K and AEH DIN 46 228/1 mm²		6…35	10…35	
Gauge pin to 947-1 Size		B 9	B 11	
Continuous current rating of cross-conn. 2…5-pole A	(QL 2) 110		(QL 2) 170	
Continuous current rating of cross-conn. 6…10-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL		600 V/95 A/2 AWG	600 V/165 A/3 AWG	600 V/200 A/3 AWG
Voltage/current/conductor size CSA	600 V/110 A/6…1 AWG	600 V/135 A/8…2 AWG	600 V/170 A/1…2/0 AWG	600 V/170 A/1…2/0 AWG
Ordering data Type	⊏⊐ Qty.	⊏⊐ Qty.	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.
Melamine	**018502** 10	**017082** 10	**028662** **063712** 10	**017042** 10 **063732** 10
End plate, hard paper (thickness mm)	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
for ⊏⊐	EP 1 (2) **020510** 10	EP 1 (2) **020510** 10	EP 1 (2) **020530** 10	EP 1 (2) **020510** 10
Tropic proof	EP 1 (2) **020520** 10	EP 1 (2) **020520** 10	EP 1 (2) **020540** 10	EP 1 (2) **020520** **10**
for ⊐⊏			EP 2/35 (2) **018070** 10	EP 1/35 (2) **018070** 10
Tropic proof			EP 2/35 (2) **018080** 10	EP 1/35 (2) **018060** 10
Partition, hard paper (thickness mm)				
	TW 1 (2) **015140** 10	TW 1 (2) **015140** 10	TW 2 (2) **017710** 10	TW 1 (2) **015140** 10
Tropic proof	TW 1 **016460** 10	TW 1 **016460** 10	TW 2 **017990** 10	TW 1 **016460** 10
Cross-connection				
2-pole	QL 2 **019390** 5		QL 2 **019400** 5	QL 2 **019400** 5
3-pole	QL 3 **040760** 5		QL 3 **044150** 5	QL 3 **044150** 5
4-pole	QL 4 **040770** 5		QL 4 **044160** 5	QL 4 **044160** 5
Cover				
	AH 28 **032666** 10	AH 28 **032666** 10	AH 32 **032676** 10	AH 32 **032676** 10
Marking tags **Print**				
Consecutive horizontal	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –
Consecutive vertical	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

*Maintain the clearance and creepage when attaching wires. If necessary use a TW Clearance and creepage table

** TS 35

SAKG 32 II
SAKG 32/35 II

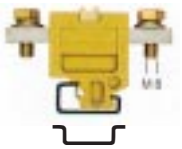
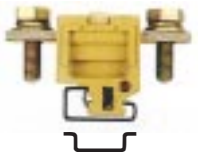
SAKG 32 III
SAKG 32/35 III

32/84/53	32/94/84
32/84/53	32/94/84.5
–/M 8/–	23. 26** mm/M 8/–
1000 V*/150 A/70 mm^2	1000 V*/192 A/70 mm^2
8 kV/3	8 kV/3
6…12	6…12
	10…70
10…70	10…70
	10…70
	10…35
	B 11
	600 V/165 A/3 AWG
600 V/170 A/1…2/0 AWG	600 V/185 A/1…2/0 AWG

⊏⊐	Qty.	⊐⊏	Qty.	⊏⊐	Qty.	⊐⊏	Qty.
018512	10	**063742**	10	**028672**	10	**063722**	10

Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
EP 1 (2)	**020510**	10	EP 2 (2)	**020530**	10
EP 1 (2)	**020520**	10	EP 2 (2)	**020540**	10
EP 1/35 (2)	**018070**	10	EP 2/35 (2)	**018070**	10
EP 1/35 (2)	**018060**	10	EP 2/35 (2)	**018080**	10
TW 1 (2)	**015140**	10	TW 2 (2)	**017710**	10
TW 1	**016460**	10	TW 2	**017990**	10
QL 2	**019400**	5			
QL 3	**044150**	5			
QL 4	**044160**	5			
AH 32	**032676**	10	AH 32	**032676**	10
FW 5	**047346**	–	FW 5	**047346**	–
FS 5	**047356**	–	FS 5	**047356**	–

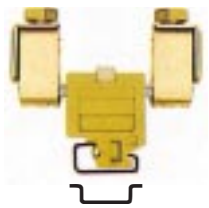
Feed-through terminals

	SAKG 70 II G SAKG 70/35 II G	SAKG 40 I SAKG 40/35 I	SAKG 40 II G SAKG 40/35 II G	SAKG 40 II SAKG 40/35 II
				
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	32/84/54	46/95/84	46/90/53	46/90/55
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	32/84/53	40/95/85.5	40/90/53	40/90/55.5
Insulation stripping length/Clamping screw/blade size	–/M 8/–	25 mm/M 10/–	–/M 10/–	–/M 10/–
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	1000 V*/192 A/70 mm²	1000 V*/232 A/95 mm²	1000 V*/232 A/95 mm²	1000 V*/232 A/95 mm²
Rated impulse voltage/pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Tightening torque range Nm	6…12		10…20	10…20
Torque setting with DMS2 electric screwdriver				
Clampable conductors		10…95		
"e" solid H07V-U mm²		10…95		
"m" stranded H07V-R mm²		10…35		
"f" flexible H07V-K mm²		10…95		
"f" flexible H07V-K and AEH DIN 46 228/1 mm²		10…35		
Gauge pin to 947-1 Size		B 12		
Continuous current rating of cross-conn. 2…5-pole A		(QL 2) 250	(QL 2) 250	(QL 2) 250
Continuous current rating of cross-conn. 6…10-pole A	(QL 2) 170			
UL/CSA rated data				
Voltage/current/conductor size UL	–	600 V/195 A/4/0 AWG	600 V/230 A/4/0 AWG	600 V/230 A/4/0 AWG
Voltage/current/conductor size CSA	600 V/200 A/2/0…4/0 AWG	600 V/250 A/2/0…4/0AWG	600 V/250 A/2/0…4/0 AWG	600 V/250 A/2/0…4/0 AWG
Ordering data Version	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.
Melamine	**015042** 10 **063662** 10	**028682** 10 **063752** 5	**017052** 10 **063772** 5	**018522** 10 **063782** 5
Two clamping yokes Melamine				
End plate, hard paper (thickness mm)	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
for ⊏⊐	EP 1 (2) **020510** 10	EP 2 (2) **020530** 10	EP 2 (2) **020530** 10	EP 2 (2) **020530** 10
Tropic proof	EP 1 (2) **020520** 10	EP 2 (2) **020540** 10	EP 2 (2) **020540** 10	EP 2 (2) **020540** 10
for ⊐⊏	EP 1/35 (2) **018050** 10	EP 2/35 (2) **018070** 10	EP 2/35 (2) **018070** 10	EP 2/35 (2) **018070** 10
Tropic proof	EP 1/35 (2) **018060** 10	EP 2/35 (2) **018080** 10	EP 2/35 (2) **018080** 10	EP 2/35 (2) **018080** 10
Partition, hard paper (thickness mm)				
	TW 1 (2) **015140** 10	TW 2 (2) **017710** 10	TW 2 (2) **017710** 10	TW 2 (2) **017710** 10
Tropic proof	TW 1 (2) **016460** 10	TW 2 (2) **017990** 10	TW 2 (2) **017990** 10	TW 2 (2) **017990** 10
Cross-connection		⊏⊐	⊏⊐	⊐⊏
2-pole	QL 2 **019400** 10	QL 2 **019410** 10	QL 2 **019410** 10	QL 2 **019410** 10
3-pole	QL 3 **044150** 10	QL 3 **026350** 10	QL 3 **026350** 10	QL 3 **026350** 10
4-pole	QL 4 **044160** 10	QL 4 **040980** 10	QL 4 **040980** 10	QL 4 **040980** 10
		⊐⊏	⊐⊏	⊐⊏
		QL 2 **021140** 5	QL 2 **021140** 5	QL 2 **021140** 5
		QL 3 **044490** 5	QL 3 **044490** 5	QL 3 **044490** 5
		QL 4 **044500** 5	QL 4 **044500** 5	QL 4 **044500** 5
Cover				
	AH 32/AH 70 **032676** 10	AH 40 **032686** 10	AH 40 **032686** 10	AH 40 **032686** 10
Marking tags **Print**				
Consecutive horizontal	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –
Consecutive vertical	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* During conductor connection, observe clearances and creepage distances; insert partitions if necessary. Clearances and creepage table.

SAKG 40 III
SAKG 40/35 III



46/100/84
40/100/85.5
25 mm/M 10/–

1000 V*/232 A/95 mm²
8 kV/3

10…20

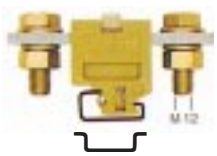
10…95
10…95
10…95
10…35
B 12

600 V/195 A/4/0 AWG
600 V/230 A/2/0…4/0 AWG

	Qty.		Qty.
028692	10	**063762**	5

Type	Cat.No.	Qty.
EP 2 (2)	**020530**	10
EP 2 (2)	**020540**	10
EP 2/35 (2)	**018070**	10
EP 2/35 (2)	**018080**	10
TW 2 (2)	**017710**	10
TW 2 (2)	**017990**	10
AH 40	**032686**	10
FW 5	**047346**	–
FS 5	**047356**	–

SAKG 46 II G
SAKG 46/35 II G



46/106/55
46/106/54.5
–/M 12/–

1000 V*/309 A/150 mm²
8 kV/3

14…31

600 V/285 A/4/0 AWG
600 V/365 A/300 MCM

	Qty.		Qty.
017062	10	**063792**	5

Type	Cat.No.	Qty.
EP 2 (2)	**020530**	10
EP 2 (2)	**020540**	10
EP 2/35 (2)	**018070**	10
EP 2/35 (2)	**018080**	10
TW 2 (2)	**017710**	10
TW 2 (2)	**017990**	10
QL 2	**024700**	5
QL 3	**044440**	5
QL 4	**044450**	5
AH 46	**032696**	10
FW 5	**047346**	–
FS 5	**047356**	–

SAKG 46 II
SAKG 46/35 II

46/106/57.5
46/106/57
–/M 12/–

1000 V*/309 A/150 mm²
8 kV/3

14…31

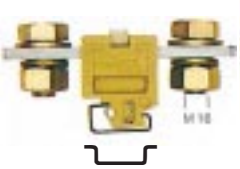
(QL 2) 415

600 V/285 A/4/0 AWG
600 V/365 A/300 MCM

	Qty.		Qty.
018532	10	**063802**	5

Type	Cat.No.	Qty.
EP 2 (2)	**020530**	10
EP 2 (2)	**020540**	10
EP 2/35 (2)	**018070**	10
EP 2/35 (2)	**018080**	10
TW 2 (2)	**017710**	10
TW 2 (2)	**017990**	10
QL 2	**024700**	5
QL 3	**044440**	5
QL 4	**044450**	5
AH 46	**032696**	10
FW 5	**047346**	–
FS 5	**047356**	–

SAKG 54 II G
SAKG 54/35 II G



54/122/57
54/122/57
–/M 16/–

1000 V*/415 A/240 mm²
8 kV/3

25…60

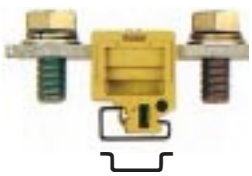
(QL 2) 600

600 V/380 A/500 MCM
600 V/600 A/300…500 MCM

	Qty.		Qty.
017072	10	**063812**	5

Type	Cat.No.	Qty.
EP 2 (2)	**020530**	10
EP 2 (2)	**020540**	10
EP 2/35 (2)	**018070**	10
EP 2/35 (2)	**018080**	10
TW 2 (2)	**017710**	10
TW 2 (2)	**017990**	10
QL 2	**026440**	5
QL 3	**040800**	5
QL 4	**024740**	5
FW 5	**047346**	–
FS 5	**047356**	–

SAKG 54 II
SAKG 54/35 II



54/122/60
54/122/60
–/M 16/–

1000 V*/415 A/240 mm²
8 kV/3

25…60

(QL 2) 600

600 V/380 A/500 MCM
600 V/600 A/300…500 MCM

	Qty.		Qty.
018542	10	**063822**	5

Type	Cat.No.	Qty.
EP 2 (2)	**020530**	10
EP 2 (2)	**020540**	10
EP 2/35 (2)	**018070**	10
EP 2/35 (2)	**018080**	10
TW 2 (2)	**017710**	10
TW 2 (2)	**017990**	10
QL 2	**026440**	5
QL 3	**040800**	5
QL 4	**024740**	5
FW 5	**047346**	–
FS 5	**047356**	–

SAKG 46/I AL
SAKG 46/II AL

46/112/74
–
23 mm/M 12/M 14/–

1000 V*/309 A/150/185 mm²
8 kV/3

14…31/25…40

50…240
35…185

–
–

	Qty.
128792**	5
128802**	5

Type	Cat.No.	Qty.
EP 2 (2)	**020530**	10
EP 2 (2)	**020540**	10
TW 2 (2)	**017710**	10
TW 2 (2)	**017990**	10
QL 2	**019400**	5
QL 3	**044150**	5
QL 4	**044160**	5
AH 46	**032696**	10
FW 5	**047346**	–
FS 5	**047356**	–

** Suitable for connection of aluminium conductors.

Stud terminals

	KST 5	KST 6	KST 8	KST 10
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	24/60/59.5	24/60/59.5	24/60/69.5	34/60/79.5
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	24/62.5/54	24/62.5/54	24/62.5/54	34/62.5/74
Insulation stripping length/clamping screw/blade size	–/M 5/–	–/M 6/–	–/M 8/–	–/M 10/–
Rated data VDE 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section*	1000 V[1])/57 A/10 mm²	1000 V[1])/76 A/16 mm²	1000 V[1])/125 A/35 mm²	1500 V[1])/192 A/70 mm²
Rated impulse voltage/pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Tightening torque range Nm	2…4	3…6	6…12	10…20
Tightening torque with DMS2 electric screwdriver				
Clampable conductors				
"e" solid H07V-U mm²				
"m" stranded H07V-R mm²				
"f" flexible H07V-K mm²				
"f" flexible H07V-K and AEH DIN 46 228/1 mm²				
Gauge pin to 947-1 Size				
Contin. current rating of terminal block for cond. size		200	200	200
Contin. current rating of cross-connection 2…5-pole A				
Contin. current rating of cross-connection 6…10-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	600 V/50 A/12…6 AWG	600 V/65 A/12…6 AWG	600 V/115 A/12…2 AWG	600 V/175 A/12…2/0
Voltage/current/conductor size CSA	–	–	–	–
Ordering data Version	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.	⊏⊐ Qty. ⊐⊏ Qty.
Wemid				
PPO				
Polyamide	**950337** 10 **950823** 10	**950131** 10 **950694** 10	**950132** 10 **950695** 10	**950133** 10 **950696** 10
End plate (thickness mm)	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
Polyamide				
PPO				
Beige				
Partition				
	KST TW 160 **953133** 10 KST TW 106 **953134** 10	KST TW 160 **953133** 10 KST TW 106 **953134** 10	KST TW 160 **953133** 10 KST TW 106 **953134** 10	KST TW 160 **953133** 10 KST TW 106 **953134** 10
Cross-connection				
2-pole	QL 2 **950339** 5	QL 2 **950135** 5	QL 2 **950136** 5	QL 2 **950137** 5
3-pole				
4-pole				
Cover				
Marking tags **Print**				
Consecutive horizontal	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –	FW 5 **047346** –
Consecutive vertical	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –	FS 5 **047356** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Depends on Cable lug

[1]) With partition

KST 12

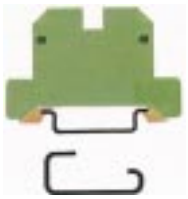
ST 5
Without solder conn.

ST5/SL
With solder conn.[3])

34/60/79.5			16.3/52[2])/45.5						
34/62.5/74									
–/M 12/–			–/M 5/–						
1500 V[1])/232 A/95 mm²			750 V/76 A/16 mm [2])						
8 kV/3			8 kV/3						
14…31			2…4						
200									
600 V/200 A/12…3/0			600 V/65 A/12…10 AWG						
–			–						
⊏⊐	Qty.	⊐⊏ Qty.	**ST 5**	Qty.	**ST5/SL**	Qty.			
			044836	10	**046286**	10			
			044834	10	**046284**	10			
950134	10	**950697** 10							
Type	Cat.No.	Qty.	Type	Cat.No.	Qty.				
			AP (1.5)	**044726**	10				
			AP (1.5)	**044724**	10				
KST TW 160	**953133**	10							
KST TW 106	**953134**	10	TW (1.5)	**047766**	10				
			TW (1.5)	**047764** (GB)	10				
QL 2	**950138**	5	QL 2	**383430**	20				
				044770	1				
FW 5	**047346**	–	FW 6	**046866**	–				
FS 5	**047356**	–	FS 6	**046876**	–				

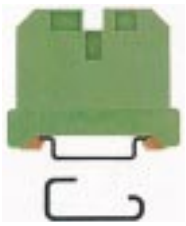
[2]) Width with solder lug 76,5 mm
[3]) Solder conn. 2,5 mm² (shown)

Earth (PE) terminals

	EK 2.5 N EK 2.5/35	EK 4 EK 4/35	EK 6/35	EK 10 EK 10/35
				
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	6/36.5/49.5	8/40/51.5	–	10/40/51.5
Width/length/height (mm) With TS 35 x 7.5 ⊓⊔	6/56/40	6.5/56/44	8/56/44	10/56/44
Insulation stripping length/clamping screw/blade size	10 mm/M 2.5/3.5 x 0.6	12 mm/M 3/3.5 x 0.6	12 mm/M 3.5/4.0 x 0.8	12 mm/M 4/5.5 x 1.0
Rated data VDE 0611 Part 3/11.89				
Rated voltage/current at PEN/cross-section	–/–/2.5 mm²	–/–/4 mm²	–/–/6 mm²	–/–/10 mm²
Rated insulation voltage VDE 0110/2.79/Insul. group C				
Rated voltage/impulse voltage VDE 0110/1.89/pollution severity				
Further technical data				
Tightening torque range Nm	0.4…0.7/0.5…1.0*	0.5…1.0/0.5…1.0*	0.8…1.6/0.5…1.0*	1.2…2.4/0.5…1.0*
Torque setting with DMS2 electric screwdriver	1/2	2/2	3/2	4/2
Clampable conductors				
"e" solid H07V-U mm²	0.5…4	0.33…6	0.50…10	0.5…16
"m" stranded H07V-R mm²	1.5…4	1.5…6	1.5…6	1.5…10
"f" flexible H07V-K mm²	0.5…4	0.5…6	0.5…10	0.5…16
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…4	0.5…6	0.5…10
AWG conductor No.	22…14	22…10	20…9	20….8
Gauge pin to 947-1 Size	A 3	A 4	A 5	B 6
Ordering data Version	⊏⊐ Qty. ⊓⊔ Qty.	⊏⊐ Qty. ⊓⊔ Qty.	⊏⊐ Qty. ⊓⊔ Qty.	⊏⊐ Qty. ⊓⊔ Qty.
Green/yellow Polyamide	**047436** 100 **066106** 100	**035456** 100 **066116** 100	**066126** 100	**035466** 80 **066136** 100
bare				
Two clamping yokes, bare				
Hexagon socket, bare				
Support block	SH 2 **049492** 10	SH 2 **049492** 10	SH 2 **049492** 10	SH 2 **049492** 10
For insulation of mounting rails in insulated-earth installations				
Hexagon key, 8 mm, DIN 6911				
Marking material				
1 2 3 4 5 6 Consecutive horizontal	FW 6 **046866** –	FW 6.5 **046816** –	FW 8 –	FW 5 **047346** –
Consecutive vertical	FS 6 **046876**	FS 6.5 **046826**	FS 8 –	FS 5 **047356** –

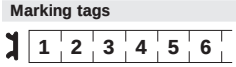
Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* TS 32 only

EK 16 EK 16/35	EK 35 EK 35/35	EK 2	SAKE 35	SAKE 70 EK 70/35	EK 95/35
					
12/50/57.5	18/58/67.5	10/52/38	14/46/39	18/94/59.5	25/76/100/92
12/56/50	16/58/60	–	–	–	25/76/100/92
16 mm/M 4/5.5 x 1.0	20 mm/M 6/6.5 x 1.2	14 mm/M 5/–	16 mm/M 6/–	25 mm/M 8/–	27 mm/M 10/–
–/–/16 mm²	–/–/35 mm²	–/–/10	–/–/35 mm²	–/–/70 mm²	–/–/95 mm²
1.2…2.4/0.8…1.0*	2.5…5.0/1.2…1.6*	1.2…2.4/2.0…4.0*	2.5…5.0/2.0…4.0*	6.0…12/2.0…4.0*	10.0…20.0/1.2…2.4*
4/3	–/3				
2.5…16	6…50	1.5…10	6…35	10…70**	10…120
2.5…16	6…50	1.5…10	6…35	10…70	10…95
2.5…16	6…16	1.5…10	6…16	10…70	10…95
4…16	6…35	1.5…10	10…35	10…70	10…95
12…6	10…2	16…8	8…2	6…0	6…4/0
B 6	B 9	B 6	B 8	B 10	B 12
Qty. 50	Qty. 20	Cat.No. **032310** Qty. 20	Cat.No. Qty.	Qty. 20	Cat.No. Qty.
037466	**035476**				
019016 50	**066146** 20		one		
			clamping yoke **014440** 20	**021320** 20	**053530** 10
				clamping yoke **133830** 10	**053540** 10
					137230 10
SH 2 **049492** 10	SH 2 **049492** 10		SH 2 **049492** 10	SH 2 **049492** 10	
					023500
FW 5 **047346** –	FW 5 **047346** –				
FS 5 **047356** –	FS 5 **047356** –				

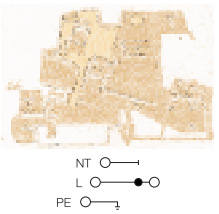
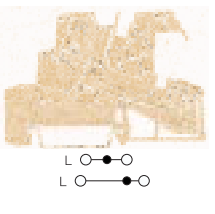
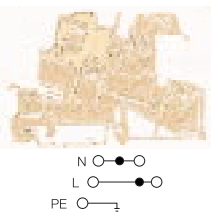
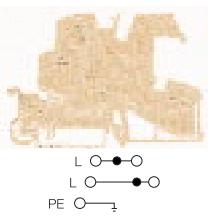
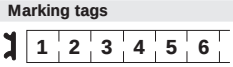
** TS 35: 10…95

Neutral (N) disconnect terminals

	NT 2.5 NT 2.5/35	NT 6 NT 6/35	NT 10 NT 10/35	NT 16 NT 16/35
Dimensions				
Width/length/height (mm) With TS 32 ⊏⎓	6/36.5/51.5	8/40/51.5	10/40/51.5	10/50/60
Width/length/height (mm) With TS 35 x 7.5 ⎓⊐	6/Melamine 40.5/PA45/44	8/Melamine 49.5/PA45/44	10/Melamine 49.5/PA45/44	10/59.5/58
Insulation stripping length/clamping screw/blade size	10 mm/M 2.5/3.5 x 0.6	12 mm/M 3.5/4 x 0.8	12 mm/M 4/5.5 x 10	12 mm/M 4/5.5 x 10
Rated data VDE 0611 Part 5/5.84				
Rated voltage/current/cross-section	400 V/24 A/2.5 mm²	400 V/41 A/6 mm²	400 V/57 A/10 mm²	400 V/76 A/16 mm²
Rated insulation voltage VDE 0110/2.79/Insul. group C V~	380	380	380	380
Rated voltage/current VDE0110/1.89/pollution severity	400 V/6 kV/3	400 V/6 kV/3	400 V/6 kV/3	400 V/6 kV/3
Further technical data				
Tightening torque range Nm	0.4...0.7	0.8...1.6	1.2...2.4	1.2...2.4
Torque setting with DMS2 electric screwdriver	1	3	4	4
Clampable conductors	0.33...4	0.5...10	0.5...16	2.5...16
"e" solid H07V-U mm²	0.5…4	0.5…10	0.5…16	2.5…16
"m" stranded H07V-R mm²			16	16
"f" flexible H07V-K mm²	0.5…4	0.5…6	0.5…10	2.5…16
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…6	0.5…10	2.5…16
"f" flexible H07V-K and AEH with plastic insul. collar mm²	0.5…2.5	0.5…6	0.5…10	2.5…16
Gauge pin to 947-1 Size	A 3	A 5	B 6	B 6
Contin. current rating of terminal block for cond. size	27 A/2.5 mm²	44 A/6 mm²	61 A/10 mm²	82 A/16 mm²
Contin. current rating of cross-connection 2…5-pole A				
Contin. current rating of cross-connection 6…10-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/20 A/22…12 AWG	300 V/40 A/22…8 AWG	300 V/50 A/14…8 AWG	300 V/65 A/16…6 AWG
Voltage/current/conductor size CSA	300 V/25 A/22…12 AWG	300 V/40 A/20…10 AWG	300 V/50 A/14…8 AWG	300 V/70 A/12…6 AWG
Ordering data Version	⎓⊐ Qty. ⊏⎓ Qty.	⎓⊐ Qty. ⊏⎓ Qty.	⎓⊐ Qty. ⊏⎓ Qty.	⎓⊐ Qty. ⊏⎓ Qty.
For bus bar 10 x 3 Melamine				
For bus bar 10 x 3 Blue Melamine	**040087** 100 **047177** 100	**040097** 100 **050147** 80	**047187** 60	
For bus bar 10 x 3 Stamin				
For bus bar 10 x 3 Blue Polyamide	**035218** 100 **047178** 100	**035278** 100	**046968** 100 **047188** 50	**132888** 50 **049928** 50
For bus bar 15 x 6 Blue Polyamide				**049938** 50 **049438** 50
End plate	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
thickness 1.5 mm				
blue	use HP	use HP	use HP	AP 16 **027118** 50
Support plate (thickness mm)				
For SSch 10 x 3 Polyamide	HP 2.5(1.5) **035206** 20	HP 6(1.5) **035286** 20	HP 6(1.5) **035286** 20	
For SSch 10 x 3 Blue Polyamide	HP 2.5(1.5) **035208** 20	HP 6(1.5) **035288** 20	HP 6(1.5) **035288** 20	HP 16(2) **126638** 20
For SSch 15 x 6 Polyamide				HP 16(2) **035398** 20
Bus bar				
10 x 3 140 A	SSch 10 x 3 Cu **034890** 1 m	SSch 10 x 3 Cu **034890** 1 m	SSch 10 x 3 Cu **034890** 1 m	SSch 10 x 3 Cu **034890** 1 m
100 A	SSch 10 x 3 Ms **025980** 1 m	SSch 10 x 3 Ms **025980** 1 m	SSch 10 x 3 Ms **025980** 1 m	SSch 10 x 3 Ms **025980** 1 m
15 x 6 265 A				SSch 15 x 6 Cu **035740** 1 m
Clamping yoke				
Input for bus bar 10 x 3	ZB 4 K **047538** 50	ZB 4 K[1] **047538** 50	ZB 4 K **047538** 50	ZB 4 K **047538** 50
	ZBE 6 K **052598** 50	ZBE 6 K **052598** 50	ZBE 6 K **052598** 50	ZBE 6 K **052598** 50
	ZB 16 K **050288** 50	ZB 16 K **050288** 50	ZB 16 K **050288** 50	ZB 16 K **050288** 50
	ZB 35 K **050268** 20	ZB 35 K **050268** 20	ZB 35 K **050268** 20	ZB 35 K **050268** 20
Connection terminal for 15 x 6				
				AK 95 **036420** 40
Marking tags **Print**				
 Consecutive horizontal	FW 6 **046866** –	FW 8 **127696** –	FW 5 **047346** –	FW 5 **047346** –
Consecutive vertical	FS 6 **046876** –	FS 8 **128966** –	FS 5 **047356** –	FS 5 **047356** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

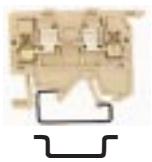
Three-way terminal blocks

	DKIT 4 BL	DKI 4 BE	DKIS 4 BL/GG	DKIS 4 BE/GG
				
Dimensions				
Width/length/height (mm) With TS 32	–	–	–	–
Width/length/height (mm) With TS 35 x 7.5	6/75.3/51.5	6/75.3/51.5	6/75.3/51.5	6/75.3/51.5
Insulation stripping length/clamping screw/blade size	9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6
Rated data VDE 0611 Part 4/2.91 IEC 947-7-1				
Rated voltage/current/cross-section	250V/400V/32 A/4 mm²	400V/32A/4 mm²	250V/400V/32 A/4 mm²	250V/400V/32 A/4 mm²
Rated insulation voltage VDE 0110/2.79/Insul. group C V~	250/380	380	250/380	250/380
Rated voltage/impulse voltage VDE0110/1.89/pollution severity	250V/400 V/4 kV/3	400 V/6 kV/3	250V/400 V/4 kV/3	250V/400 V/4 kV/3
Further technical data				
Tightening torque range Nm	0.5...1	0.5...1	0.5...1	0.5...1
Torque setting with DMS2 electric screwdriver	1	1	1	1
Clampable conductors				
"e" solid H07V-U mm²	0.5…4	0.5…4	0.5…4	0.5…4
"m" stranded H07V-R mm²	0.5…4	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K mm²				
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…4	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K and AEH with plastic insul. collar mm²	0.5…4	0.5…4	0.5…4	0.5…4
Gauge pin to IEC 947-1 Size	A 3	A 3	A 3	A 3
Contin. current rating of cross-connection multi-pole A				
Contin. current rating of cross-connection multi-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	–	–	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG
Voltage/current/conductor size CSA	–	–	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG
Ordering data Version	Cat.No. Qty.	Cat.No. Qty.	Cat.No. Qty.	Cat.No. Qty.
Green-yellow/blue/beige Polyamide	**058266** 50			
Beige Polyamide		**058736** 50		
Green-yellow/blue/beige Polyamide			**058726** 50	
Green-yellow/beige Polyamide				**064446** 50
End plate (thickness mm)	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
Beige Polyamide	AP (1.5) **063506** 20	AP (1.5) **063506** 20	AP (1.5) **063506** 20	AP (1.5) **063506** 20
Support plate (thickness mm)				
beige Polyamide	HP (1.5) **060846** 20			
Small partition				
	TSch 6 **019026** 100	TSch 6 **019026** 100	TSch 6 **019026** 100	TSch 6 **019026** 100
Cross-connection				
	Q 2 **033640** 50 Q 3 **033650** 50 Q 4 **033660** 50 Q 10 **036860** 20	Q 2 **033640** 50 Q 3 **033650** 50 Q 4 **033660** 50 Q 10 **036860** 20	Q 2 **033640** 50 Q 3 **033650** 50 Q 4 **033660** 50 Q 10 **036860** 20	Q 2 **033640** 50 Q 3 **033650** 50 Q 4 **033660** 50 Q 10 **036860** 20
Bus bar				
10 x 3 140 A	SSch 10 x 3 Cu **034890** 1 m			
100 A	SSch 10 x 3 Ms **025980** 1 m			
Clamping yoke				
Input for SSch 10 x 3	ZB 4 K **047538** 50 ZBE 6 K **052598** 50 ZB 16 K **050288** 50 ZB 35 K **050268** 20			
Marking tags **Print**				
 Consecutive horizontal	FW 6 **046866** 500	FW 6 **046866** 500	FW 6 **046866** 500	FW 6 **046866** 500
Consecutive vertical	FS 6 **046876** 500	FS 6 **046876** 500	FS 6 **046876** 500	FS 6 **046876** 500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Fuse terminals

ASK 1
ASK 1/35

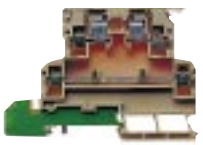


ASK 1/35 LD

Note:
If fuse is defective, the following current cycle is not voltage-free.

KDKS 1
KDKS 1/35

KDKS 1/PE



Dimensions					
Width/length/height (mm)	With TS 32 ⊏⊐	8/58/45.5	–	8/73.5/59.8	–
Width/length/height (mm)	With TS 35 x 7.5 ⊐⊏	8/58/44	8/58/44	8/73.5/55.7	8/91/65
Insulation stripping length/clamping screw/blade size		9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6	9mm/M3/3.5 x 0.6
Rated data terminal base					
Rated voltage/current/cross-section		500 V AC/6.3 A/4 mm²	–*/6.3 A/4 mm²	500 V~/6.3 A/4 mm²	500 V~/6.3 A/4 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity		6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data					
Tightening torque range	Nm	0.5…1.0	0.5…1.0	0.5…1.0	0.5…1.0
Torque setting with DMS2 electric screwdriver		2	2	2	2
Clampable conductors					
"e" solid H07V-U	mm²	0.5…4	0.5…4	0.5…4	0.5…4
"m" stranded H07V-R	mm²	1.5…4	1.5…4		
"f" flexible H07V-K	mm²	0.5…4	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…4	0.5…4	0.5…4	0.5…4
Gauge pin to 947-1	Size	A 4	A 4	A 4	A 4
Contin. current rating of cross-connection 2…5-pole	A	(QB 2…4) 10	(QB 2…4) 10	(QB 2…4) 10	(QB 2…4) 10
Contin. current rating of cross-connection 6…10-pole	A				
UL/CSA rated data					
Voltage/current/conductor size	UL	300 V/6.3 A/12 max. AWG	–*/10 A/26…12 AWG	300 V/15 A/12 max. AWG	300 V/15 A/12 max. AWG
Voltage/current/conductor size	CSA	300 V/6.3 A/26…12 AWG	*/6.3 A/26…12 AWG		

Ordering data	Version	⊐⊏ Cat.No.	Qty.	⊐⊏ Cat.No.	Qty.	⊏⊐ Qty.	⊐⊏ Qty.	⊏⊐ Qty.	⊐⊏ Qty.
	Wemid-beige	**047456**	100			**950330** 50	**950331** 50		**952811** 50
	24 V–			**022276**	25				
	24 V~			**022286**	25				
	24 V⎓								
	48 V–			**022526**	25				
	48 V~			**022536**	25				
	48 V⎓								
	40–50 V–								
	40–50 V~								
	100 V–			**022546**	25				
	100 V⎓			**022556**	25				
	110 V~								
	220 V–			**022566**	25				
	240 V~			**022576**	25				
	240 V⎓								
	For fuse cartridges								

End plate/partition (thickness mm)		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	Polyamide	AP (1.5)	**038036**	20	AP (1.5)	**038036**	20	AP 1 KDKS	**950333**	25	AP 1 KDKS	**950333**	25
								For ⊏⊐			For ⊏⊐		
	HP							TW (2.0)	**060700**	20	TW (2.0)	**060700**	20

G fuse cartridges 5 x 20 mm exchangeable		5 x 20 without indicator	Qty.	5 x 20 without indicator	Qty.	5 x 20 without indicator	Qty.	5 x 20 without indicator	Qty.
To DIN 41660 IEC 127 BL 1	Rated current (A): 0.10 rapid blow	**043030**	10	**043030**	10	**043030**	10	**043030**	10
Rated voltage 250 V~	0.20 rapid blow	**043040**	10	**043040**	10	**043040**	10	**043040**	10
Switching capacity 1500 A	0.25 rapid blow	**043050**	10	**043050**	10	**043050**	10	**043050**	10
(at 250 V. 50 Hz, cos = 0.7)	0.50 rapid blow	**043060**	10	**043060**	10	**043060**	10	**043060**	10
	1.0 rapid blow	**043070**	10	**043070**	10	**043070**	10	**043070**	10
	1.6 rapid blow	**043080**	10	**043080**	10	**043080**	10	**043080**	10
	2.0 rapid blow	**043090**	10	**043090**	10	**043090**	10	**043090**	10
	2.5 rapid blow	**043100**	10	**043100**	10	**043100**	10	**043100**	10
	spare fuse cap								
	Solid Brass link	SBL (20x5) **044610**	40			SBL (20x5) **044610**	40	SBL (20x5) **044610**	40

Screw cap/disconnect lever (spare)									
		TH **037706**	100	TH **037706**	100	TH **037706**	100	TH **037706**	100
	Red pull lever	SIHA **159302**	100			SIHA **159302**	100	SIHA **159302**	100
Marking tags	**Print**								
	Consecutive horizontal	FW 8 **127696**	–	FW 8 **127696**	–	FW 8 **127696**	–	FW 8 **127696**	–
	Consecutive vertical	FS 8 **128966**	–	FS 8 **128966**	–	FS 8 **128966**	–	FS 8 **128966**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Rated voltage see ordering data

SAKS 1
SAKS 1/35

13/54/61	
13/54/54	
12 mm/M 4/5.5 x 1.0	
500 V~/10 A/10 mm²	
6 kV/3	
1.2…2.4	
4	
0.5…16	
1.5…10	
0.5…10	
0.5…10	
B 6	
(QL 2…5) 47	
(QL 6…10) 36	
300 V/6 A/22…10 AWG	
600 V/10 A/26…10 AWG	

	Qty.		Qty.
		050160	20
019122	20	**050162**	20

Type	Cat.No.	Qty.
AP (2.5)	**019132**	20
For ⊏		
TW (2.0)	**060700**	20

5 x 20	without indicator	Qty.
043030		10
043040		10
043050		10
043060		10
043070		10
043080		10
043090		10
043100		10

FCS (20x5)	**028211**	
SBL (20x5)	**044610**	40

SK (5 x 20)	**028201**	20
FW 5	**047346**	–
FS 5	**047356**	–

SAKS 1/G25
SAKS 1/35/G25

13/54/61	
13/54/54	
12 mm/M 4/5.5 x 1.0	
500 V~/10 A/10 mm²	
6 kV/3	
1.2…2.4	
4	
0.5…16	
1.5…10	
0.5…10	
0.5…10	
B 6	
(QL 2…5) 47	
(QL 6…10) 36	
300 V/6 A/22…10 AWG	
600 V/10 A/26…10 AW	

	Qty.		Qty.
		050150	20
019112	20	**050152**	20

Type	Cat.No.	Qty.
AP (2.5)	**019132**	20
For ⊏		
TW (2.0)	**060700**	20

5 x 20	without indicator	Qty.
0.25 (m)	**054690**	10
0.5 (m)	**051030**	10
0.8 (m)	**064640**	10
1 (m)	**026580**	10
		10
2 (f)	**019270**	10
4 (f)	**019280**	10
6.3 (f)	**019290**	10

(m) med. blow
(f) rapid blow

SK (5 x 25)	**028201**	20
FW 5	**047346**	–
FS 5	**047356**	–

* See version

SAKS 1 Neon lamp

13/54/61	
13/54/54	
12 mm/M 4/5.5 x 1.0	
–*/10 A/10 mm²	
1.2…2.4	
4	
0.5…16	
1.5…10	
0.5…10	
0.5…10	
B 6	
*/10 A/26…10 AWG	

	Qty.		Qty.
037172	10	**017322**	10
037892	10	**017312**	10
038532	10		
030612	10	**019992**	10

Type	Cat.No.	Qty.
AP (2.5)	**019132**	20
For ⊏		
TW (2.0)	**060700**	20

5 x 20	without indicator	Qty.
043030		10
043040		10
043050		10
043060		10
043070		10
043080		10
043090		10
043100		10

SK (5 x 20)	**028201**	20
FW 5	**047346**	–
FS 5	**047356**	–

SAKS 1/LED

Note:
If fuse is defective, the following current cycle is not voltage-free.

13/54/61	
13/54/54	
12 mm/M 4/5.5 x 1.0	
–*/10 A/10 mm²	
1.2…2.4	
4	
0.5…16	
1.5…10	
0.5…10	
0.5…10	
B 6	
–/6 A/22…8 AWG	
*/10 A/26…10 AWG	

	Qty.		Qty.
037142	10	**022582**	10
		111132	10
012172	10	**022602**	10
		021402	10

Type	Cat.No.	Qty.
AP (2.5)	**019132**	20
For ⊏		
TW (2.0)	**060700**	20

5 x 20	without indicator	Qty.
043030		10
043040		10
043050		10
043060		10
043070		10
043080		10
043090		10
043100		10

SK (5 x 20)	**028201**	20
FW 5	**047346**	–
FS 5	**047356**	–

Note:
If fuse is defective, the following current cycle is not voltage-free.

KSKM 1

13/69/62	
13/69/63	
12 mm/–/–	
250 V~/6.3 A[1])/10 mm²	
0.5…16	
0.5…10	
B 6	
600 V/10 A/22…8 AWG	

	Qty.		QTY.
950957	20	**950960**	20
Wemid		Wemid	

Type	Cat.No.	Qty.
AP (3)	**950963**	20

5 x 20	without indicator	Qty.
043030		10
043040		10
043050		10
043060		10
043070		10
043080		10
043090		10
043100		10

5 x 20 SBL	**044610**	40
QB10	**950965**	

FW 5	**047346**	–
FS 5	**047356**	–

KSKM 2

13/69/62	
13/69/63	
12 mm/–/–	
250 V~/13 A[2])/10 mm²	
0.5…16	
0.5…10	
B 6	
600 V/15 A/22…8 AWG	

	Qty.		Qty.
950958	20	**950961**	20
Wemid		Wemid	

Type	Cat.No.	Qty.
AP (3)	**950963**	20

1" x 1/4"		Qty.
043240	1A	10
024510	2A	10
043250	3A	10
024520	5A	10
045860	7A	10
024530	10A	10
024540	13A	10

1" x 1/4" SBL	**044620**	40
QB10	**950965**	

FW 5	**047346**	–
FS 5	**047356**	–

1) Maximum fuse rating according to DIN 41660. IEC 127 CEE4 Type 1
2) Fuses according to BS 1362

Fuse terminals

KSKM 3

Fuse terminals

Dimensions					**Dimensions**		
Width/length/height (mm)	With TS 32 ⊏⊐	13/69/62			Width/length/height (mm)	With TS 32 ⊏⊐	
Width/length/height (mm)	With TS 35 x 7.5 ⊐⊏	13/69/63			Width/length/height (mm)	With TS 35 x 7.5 ⊐⊏	
Insulation stripping length/clamping screw/blade size		12 mm/–/–			Insulation stripping length/clamping screw/blade size		
Rated data terminal base					**Rated data terminal base**		
Rated voltage/current/cross-section		440 V~/10 A/10 mm²			Rated voltage/current/cross-section		
Rated impulse voltage VDE 0110/1.89/pollution severity					Rated impulse voltage VDE 0110/1.89/pollution severity		
Further technical data					**Further technical data**		
Tightening torque range	Nm				Tightening torque range	Nm	
Torque setting with DMS2 electric screwdriver					Torque setting with DMS2 electric screwdriver		
Clampable conductors					**Clampable conductors**		
"e" solid H07V-U	mm²	0.5…16			"e" solid H07V-U	mm²	
"m" stranded H07V-R	mm²				"m" stranded H07V-R	mm²	
"f" flexible H07V-K	mm²	0.5…10			"f" flexible H07V-K	mm²	
"f" flexible H07V-K and AEH DIN 46 228/1	mm²				"f" flexible H07V-K and AEH DIN 46 228/1	mm²	
Gauge pin to 947-1	Size	B 6			Gauge pin to 947-1	Size	
Contin. current rating of cross-connection 2…5-pole	A				Contin. current rating of cross-connection 2…5-pole	A	
Contin. current rating of cross-connection 6…10-pole	A				Contin. current rating of cross-connection 6…10-pole	A	
UL/CSA rated data					**UL/CSA rated data**		
Voltage/current/conductor size	UL	600 V/15 A/22…8 AWG			Voltage/current/conductor size	UL	
Voltage/current/conductor size	CSA				Voltage/current/conductor size	CSA	
Ordering data	Version	⊏⊐ Qty.	⊐⊏ Qty.		**Ordering data**	Version	
	Wemid-beige	**950959** 20	**950962** 20				
		Wemid	Wemid				
	24 V–						
	24 V~						
	24 V≂						
	48 V–						
	48 V~						
	48 V≂						
	40–50 V–						
	40–50 V~						
	100 V–						
	100 V≂						
	110 V~						
	220 V–						
	240 V~						
	240 V≂						
	For fuse cartridges						
End plate/partition (thickness mm)		Type	Cat.No.	Qty.		Wemid colour Melamine	
	Polyamide	AP (3)	**950963**	20		For fuse cartridges	
	HP				**End plate/partition** (thickness mm)		
						Polyamide	
						HP	
To DIN 41660 IEC 127 BL 1	Rated current (A): 0.10 rapid blow	1¼" x ¼"			**Cross-connection**		
Rated voltage 250 V~	0.20 rapid blow	E 2 A	**029450**	10			
Switching capacity 1500 A	0.25 rapid blow	E 3 A	**029470**	10			
(at 250 V. 50 Hz, cos = 0.7)	0.50 rapid blow	E 5 A	**029460**	10			
	1.0 rapid blow	E 7 A	**029580**	10			
	1.6 rapid blow	E 10 A	**029390**	10			
					Fuse cartridges		
					1 1/4" x 1/4"	Rated current (A): 0.5 super rapid blow	
					To DEF 63/size 0	1.0 super rapid blow	
					Without indicator	2.0 super rapid blow	
						3.0 super rapid blow	
						5.0 super rapid blow	
						7.0 super rapid blow	
						10.0 super rapid blow	
					D fuse cartridges		
	Solid Brass link	1¼" x ¼" SBL	**044630**	40			
		QB10	**950965**				
Screw cap/disconnect lever (spare)					**Screw cap (spare)**		
	Red pull lever						
Marking tags	**Print**				**Marking tags**	**Print**	
1 2 3 4 5 6	Consecutive horizontal	FW 5	**047346**	–	1 2 3 4 5 6	Consecutive horizontal	
	Consecutive vertical	FS 5	**047356**	–		Vertically printed	

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

SAKS 2
SAKS 2/35

28/80/81.5
28/80/75
12 mm/M 4/5.5 x 1

500 V~/10 (25) A***/10 mm²
6 kV/3

1.2…2.4
4

0.5…16
0.5…10
0.5…10
0.5…10
B 6

(QL 2…5) 47
(QL 6…10) 36

600 V/25 A/22…8 AWG

⊏⊐	Qty.	⊐⊏	Qty.
020682	20	**136872**	20
		136870	20
		136870	20

Diazed E 16

Type	Cat.No.	Qty.
TW HP (2.0)	**060700***	20

QL 2	**020780**	20
QL 3	**020790**	20
QL 4	**020800**	20
QL 10	**033890**	20
BS M 4x9	**010330**	100
SS M 4	**013640**	100

Gauge ring/A

P 16/10	**020890**	100
P 16/16	**020900**	100
P 16/20	**020910**	100

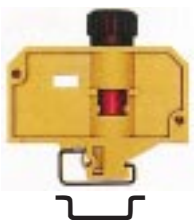
Rated voltage 500 V

E 10 A	**020850**	25
E 16 A	**020860**	25
E 20 A	**020870**	25
E 25 A	**020880**	25

SK	**028411**	20

FW 5	**047346**
FS 5	**047356**

SAKS 4
SAKS 4/35



24/75/73
24/75/66
14 mm/M 4/5.5 x 1

400 V~**/16 A/10 mm²
6 kV/3

1.2…2.4
4

0.5…16
1.5…10
0.5…10
0.5…10
B 6

(QL 2…5) 47
(QL 6…10) 36

600 V/30 A/22…8 AWG

⊏⊐	Qty.	⊐⊏	Qty.
032132	20	**050182**	20
		050180	20

Neozed D 01

Type	Cat.No.	Qty.
TW HP (2.0)	**060700***	20

QL 2	**032800**	20
QL 3	**032810**	20
QL 4	**032820**	20
QL 10	**033900**	20
BS M 4x9	**010330**	100
SS M 4	**013640**	100

Gauge ring/A

P 14/2	**013800**	50
P 14/4	**013810**	50
P 14/6	**032860**	50
P 14/10	**032870**	50

Red	
Grey	
Blue	

Rated voltage 380 V

E 14/2	**013740**	10
E 14/4	**013750**	10
E 14/6	**032830**	10
E 14/10	**032840**	10
E 14/16	**032850**	10

SK	**033941**	20

FW 5	**047346**
FS 5	**047356**

SAKS 4 USA
SAKS 4 France.

24/75/73
24/75/66
14 mm/M 4/5.5 x 1

400 V~/30 A/10 mm²
6 kV/3

1.2…2.4
4

0.5…16
1.5…10
0.5…10
0.5…10
B 6

(QL 2…5) 47
(QL 6…10) 36

600 V/30 A/20…8 AWG
600 V/30 A/22…8 AWG

⊏⊐	Qty.	⊐⊏	Qty.
032142[1]	20	**050202**[1]	20
016222[2]	20	**017822**[2]	20

10.3 x 38.1

Type	Cat.No.	Qty.
TW HP (2.0)	**060700***	20

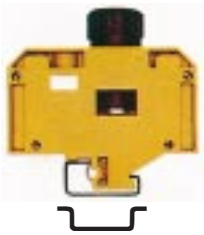
QL 2	**032800**	20
QL 3	**032810**	20
QL 4	**032820**	20
QL 10	**033900**	20
BS M 4x9	**010330**	100
SS M 4	**013640**	100

Pink	
Brown	
Green	
Red	

SK	**034923**	20
SK (w. spring)	**016173**	20

FW 5	**047346**
FS 5	**047356**

SAKS 5
SAKS 5/35



28/80/80.5
28/80/66
13 mm/M 4/5.5 x 1

380 V~/63 A**/16 mm²
6 kV/3

1.2…2.4
4

1.5…16
1.5…16
1.5…16
1.5…16
B 7

(QL 2…5) 47
(QL 6…10) 36

600 V/63 A/14…6 AWG

⊏⊐	Qty.	⊐⊏	Qty.
035942	20	**050212**	20
		050210	20

Neozed D 02

Type	Cat.No.	Qty.
TW HP (2.0)	**060700***	20

QL 2	**020780**	20
QL 3	**020790**	20
QL 4	**020800**	20
QL 10	**033890**	20
BS M 4x9	**010330**	100
SS M 4	**013640**	100

Gauge ring/A

P 18/20	**036180**	50
P 18/25	**036190**	50
P 18/35	**036200**	50
P 18/50	**036210**	50

Blue
Yellow
Black
White

Rated voltage 400 V

E 18/20	**036130**	10
E 18/25	**036140**	10
E 18/35	**036150**	10
E 18/50	**036160**	10
E 18/63	**036170**	10

SK	**035931**	20

FW 5	**047346**
FS 5	**047356**

** Also for 440 V AC with Neozed marine fuse
*** Current for overload up to 10 A, for short-circuit up to 25 A

[1] Version France
[2] Version USA

* not for TS32 version

Fuse terminals
Type SAKS 1, KSK
Screw clamp connections

SAKS 1
SAKS 1/35
250V 6.3A

Thickness 13mm

KSK 1
KSK 1/35
250V 6.3A

Thickness 13mm

KSK 2
KSK 2/35
250V 13A

Thickness 13mm

Technical data													
Conductor size	Solid (mm^2)	0.5-10				0.5-16				0.5-16			
	Stranded (mm^2)	0.5-10				0.5-10				0.5-10			
Insulation stripping length	(mm)	12				12				12			
Fuse size		25 x 5mm indicator				25 x 5mm				1" x 1/4" BS1362			
Dimensions	width/length/height	13/54/54				13/85/67				13/85/67			
Ordering data		⊏	Qty.	⌐	Qty.	⊏	Qty.	⌐	Qty.	⊏	Qty.	⌐	Qty.
Moulding material	Beige Melamine (5x25)	**019112**	20	**050152**	20	**389742**	20	**389782**	20	**389752**	20	**389792**	20
	Beige Melamine (5x20)	**019122**	20	**050162**	20								
Approvals													
All Approvals are listed in Approvals section													
Terminal rail (2)		⊏	Qty.	⌐	Qty.	⊏	Qty.	⌐	Qty.	⊏	Qty.	⌐	Qty.
	Steel	**012280**	20	**067620**	20	**012280**	20	**067620**	20	**012280**	20	**067620**	20
⊏ ⌐	Steel (M6 Slots)	**067610**	20	**049800**	20	**067610**	20	**049800**	20	**067610**	20	**049800**	20
Locking pin (1m) – optional	Steel	**015270**			1	**015270**			1	**015270**			1
End bracket (thickness mm)													
	EWK 1 (8.5)	**020616**	50										
	EWK 2 (15)					**019936**	50			**019936**	50		
End plate (thickness mm)													
	AP (3)	**019132**	20			**389822**	20			**389822**	20		
Partition (thickness mm)													
		047470	20										
	Resin bonded paper					**060700**	20			**060700**	20		
Solid brass link													
		044600			10	**044610**			10				
										044620			10
Spare fuse cap													
		FC S		**028201**	20								
	Lock-out-clip					LOC 1		**950101**	1	LOC 1		**950101**	1
Cross-connection													
	2 way	QL 2		**019140**	50	QL 2		**019140**	50	QL 2		**019140**	50
	3 way	QL 3		**019150**	50	QL 3		**019150**	50	QL 3		**019150**	50
	4 way	QL 4		**019160**	50	QL 4		**019160**	50	QL 4		**019160**	50
	10 way	QL 10		**033880**	50	QL 10		**033880**	50	QL 10		**033880**	50
	Screw	BS (M3 x 6)		**034620**	50	BS (M3 x 6)		**034620**	50	BS (M3 x 6)		**034620**	50
	Washer	captive on screw				captive on screw				captive on screw			
Test plug													
	Test plug					PS (4.Ø)		**029960**		PS (4.Ø)		**029960**	
	Plug bolt					StB 18		**028650**		StB 18		**028650**	
Fuse													
Cover (1m)													
	Transparent cover	ADP 3		**048540**									
	Support bracket	HP 4		**048586**									
Marking tags													
		DEKAFIX – Section 3				DEKAFIX – Section 3				DEKAFIX – Section 3			

Additional accessories please see relevant Catalogue Section

Fuse terminals
Type SAKS 1, KSK
Screw clamp connections

		KSK 3 KSK 3/35 440V see rating below	KSK 3F KSK 3F/35 440V see rating below	KSK 3L KSK 3L/35 440V see rating below	KSK 3FL KSK 3FL/35 440V see rating below
		Thickness 13mm	**Thickness 13mm**	**Thickness 13mm**	**Thickness 13mm**
Technical data					
Conductor size	Solid (mm^2)	0.5-16	0.5-16	0.5-16	0.5-16
	Stranded (mm^2)	0.5-10	0.5-10	0.5-10	0.5-10
Insulation stripping length	(mm)	12	12	12	12
Fuse size		1¼" x ¼"	1¼" x ¼"	1¼" x ¼"	1¼" x ¼"
Dimensions	width/length/height	13/85/67	13/85/67	13/85/67	13/85/67
Ordering data		⊏ ⌙	⊏ ⌙	⊏ ⌙	⊏ ⌙
Moulding material	Beige Melamine	**389762** **389802**	**389772** **389812**	**950019** **950023**	**950020** **950024**
Approvals					
All Approvals are listed in Approvals section		Ⓝ Ⓓ			
Terminal rail (2)		⊏ Qty. ⌙ Qty.	⊏ Qty. ⌙ Qty.	⊏ Qty. ⌙ Qty.	⊏ Qty. ⌙ Qty.
⊏ ⌙	Steel	**012280** 20 **038340** 20	**012280** 20 **038340** 20	**012280** 20 **038340** 20	**012280** 20 **038340** 20
	Steel (M6 Slots)	**067610** 20 **067620** 20	**067610** 20 **067620** 20	**067610** 20 **067620** 20	**067610** 20 **067620** 20
	Steel 35 x 15 mm	**049800** 20	**049800** 20	**049800** 20	**049800** 20
Locking pin (1m) – optional	Steel	**015270**	**015270**	**015270**	**015270**
End bracket (thickness mm)					
	EWK 2 (15)	**019936** 50	**019936** 50	**019936** 50	**019936** 50
	EWK 35 (8.5)	**038356** 50	**038356** 50	**038356** 50	**038356** 50
End plate (thickness mm)					
		AP (3) **389822** 20	AP (3) **389822** 20	AP (3) **389822** 20	AP (3) **389822** 20
Partition (thickness mm)					
	Resin bonded paper	TW (2.5) **060700** 20	TW (2.5) **060700** 20	TW (2.5) **060700** 20	TW (2.5) **060700** 20
Solid brass link		SBL (1¼" x ¼") **044630** 10	SBL (1¼" x ¼") **044630** 10	SBL (1¼" x ¼") **044630** 10	SBL (1¼" x ¼") **044630** 10
Spare fuse cap					
	Lock-out-clip	LOC 1 **950101** 1	LOC 1 **950101** 1	LOC 1 **950101** 1	LOC 1 **950101** 1
Cross-connection					
	2 way	QL 2 **019140** 50	QL 2 **019140** 50	QL 2 **019140** 50	QL 2 **019140** 50
	3 way	QL 3 **019150** 50	QL 3 **019150** 50	QL 3 **019150** 50	QL 3 **019150** 50
	4 way	QL 4 **019160** 50	QL 4 **019160** 50	QL 4 **019160** 50	QL 4 **019160** 50
	10 way	QL 10 **033880** 50	QL 10 **033880** 50	QL 10 **033880** 50	QL 10 **033880** 50
	Screw	BS (M3 x 6) **034620** 50	BS (M3 x 6) **034620** 50	BS (M3 x 6) **034620** 50	BS (M3 x 6) **034620** 50
	Washer	captive on screw	captive on screw	captive on screw	captive on screw
Test plug					
	Test plug	PS (4.Ø) **029960** 20	PS (4.Ø) **029960** 20	PS (4.Ø) **029960** 20	PS (4.Ø) **029960** 20
	Plug bolt	StB 18 **028650** 20	StB 18 **028650** 20	StB 18 **028650** 20	StB 18 **028650** 20
Fuse		**Rating**	**Rating**	**Rating**	**Rating**
		Bussman ABC 250V – 15amps ¼ x 1¼ ¼ x 1¼ DEF 59-96 Size '0' 440V	It is not recommended that these fuses be loaded continuously to a current value approaching their specified maximum rating, i.e. 15 amp fuse 'loaded to 14 or 15 amps', since deterioration of the fuse element would take place and the protection it affords to the equipment will be affected. Current values not exceeding 70% of the fuse rating will ensure that a satisfactory performance is achieved.		
Cover (1mm)					
	Transparent cover				
	Support bracket				
Marking tags		DEKAFIX – Section 3	DEKAFIX – Section 3	DEKAFIX – Section 3	DEKAFIX – Section 3
Additional accessories see relevant Catalogue Section					

Alarm fuse terminal
Type AFT

Screw clamp connections

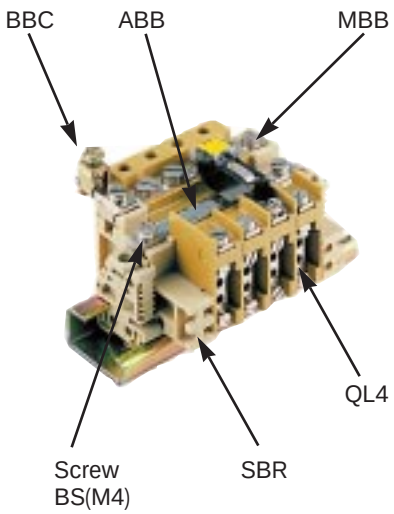
The AFT Series provides a complete modular system for mounting PO44A fuses. Systems can be easily built up on TS32 rail and then fitted into cubicles, panels etc.

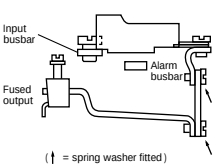
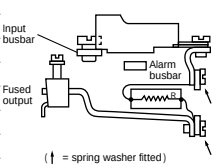
Combination of System
Common inputs
Common Alarms
Individual Inputs
Individual Alarms etc.

Extra ways can be added for future extension.

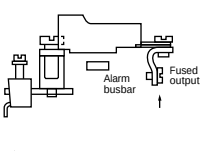
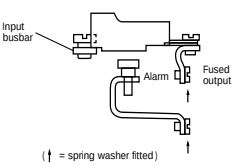
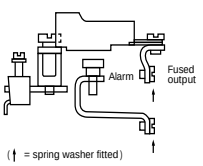
The modern styles of the AFT will blend with other parts of the equipment and would enhance its appearance.

All known requirements of PO44 fuse holders have been met e.g. Paint slot for rating identification/correct screw sizes. Special finish on alarm rail. More than 3 turns of thread are provided on all screws. Clamps or ring type connections can be used on the alarm or main busbar.



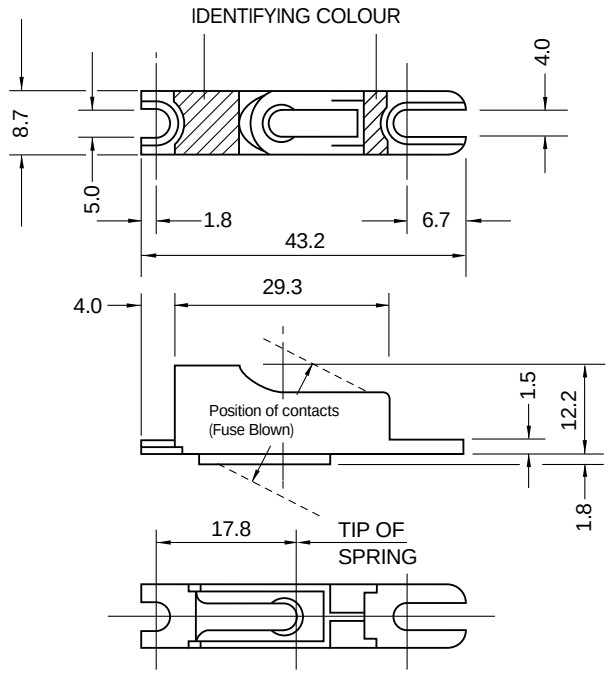
		AFT 50V 9A Common Input/Common Alarm			AFT 50V 9A Common Input/Common Alarm		
		Thickness 12mm			**Thickness 12mm**		
Technical data							
Conductor size	Solid (mm^2)	0.5-10			0.5-10		
	Stranded (mm^2)	0.5-6			0.5-6		
Insulation stripping length	(mm)	12			12		
Fuse size		PO 44/A			PO 44/A		
Dimensions	width/length/height	12/64/55.5			12/64/55.5		
Ordering data			⌙	Qty.		⌙	Qty.
Moulding material	Beige Melamine		**033322**	25		**050042**	50
Approvals							
All Approvals are listed in Approvals section		ESI			ESI		
Terminal rail (2)			⌙	Qty.		⌙	Qty.
	Steel		**012280**	20		**012280**	20
	Steel (M6 Slots)		**067610**	20		**067610**	20
⌙	Steel		**015270**	1		**015270**	1
End bracket (thickness mm)		EWK 1 (8.5)	**020616**	25	EWK 1 (8.5)	**020616**	25
End plate (thickness mm)							
	Beige Melamine	AP (1.5)	**033302**	10	AP (1.5)	**033302**	10
Support bracket (thickness mm)							
		SBr (10.5)	**033316**	10	SBr (10.5)	**033316**	10
Busbar connection							
Includes current rail and yoke with screw		BBC	**035220**	10	BBC	**035220**	10
Alarm busbar							
Stranded length 25 ways Available 1-50 ways on request		ABB	**033340**	1	ABB	**033340**	1
Main busbar							
Stranded length 25 ways Available 1-50 ways on request		MBB	**033330**	1	MBB	**033330**	1
Spare screw							
	For ABB location	BS (M4 x 9)	**020920**	100	BS (M4 x 9)	**020920**	100
					Allows fitting of resistor between fuse and output		
							
Marking tags							
		DEKAFIX – Section 3			DEKAFIX – Section 3		
Additional accessories please see relevant Catalogue Section							

Alarm fuse terminal
Type AFT
Screw clamp connections

		AFT 50V 9A Individual Input/Common Alarm			**AFT** 50V 9A Common Input/Individual Alarm			**AFT** 50V 9A Individual Input/Individual Alarm		
		Thickness 12mm			**Thickness 12mm**			**Thickness 12mm**		
Technical data										
Conductor size	Solid (mm^2)	0.5-10			0.5-10			0.5-10		
	Stranded (mm^2)	0.5-6			0.5-6			0.5-6		
Insulation stripping length	(mm)	13			13			13		
Fuse size		PO 44/A			PO 44/A			PO 44/A		
Dimensions	width/length/height	12/64/55.5			12/64/55.5			12/64/55.5		
Ordering data			⊏⊐	Qty.		⊏⊐	Qty.		⊏⊐	Qty.
Moulding material	Beige Melamine		**035232**	25		**035242**	50		**035252**	50
Approvals										
All Approvals are listed in Approvals section		**ESI**			**ESI**			**ESI**		
Terminal rail (2m)			⊏⊐	Qty.		⊏⊐	Qty.		⊏⊐	Qty.
	Steel		**012280**	20		**012280**	20		**012280**	20
	Steel (M6 Slots)		**067610**	20		**067610**	20		**067610**	20
⊏⊐	Steel		**015270**	1		**015270**	1		**015270**	1
End bracket (thickness mm)										
		EWK 1 (8.5)	**020616**	25	EWK 1 (8.5)	**020616**	25	EWK 1 (8.5)	**020616**	25
End plate (thickness mm)										
	Beige Melamine	AP (1.5)	**033302**	10	AP (1.5)	**033302**	10	AP (1.5)	**033302**	10
Support bracket (thickness mm)										
		SBr (10.5)	**033316**	10	SBr (10.5)	**033316**	10	SBr (10.5)	**033316**	10
Busbar connection										
Includes current rail and yoke with screw		BBC	**035220**	10	BBC	**035220**	10			
Alarm busbar										
Stranded length 25 ways		ABB	**033340**	1	ABB	**033340**	1			
Available 1-50 ways on request										
Main busbar										
Stranded length 25 ways		MBB	**033330**	1	MBB	**033330**	1			
Available 1-50 ways on request										
Spare screw										
	For ABB location	BS (M4 x 9)	**020920**	100	BS (M4 x 9)	**020920**	100			
		 (= spring washer fitted)			 (= spring washer fitted)			 (= spring washer fitted)		
Marking tag										
		DEKAFIX – Section 3			DEKAFIX – Section 3			DEKAFIX – Section 3		
Additional accessories please see relevant Catalogue Section										

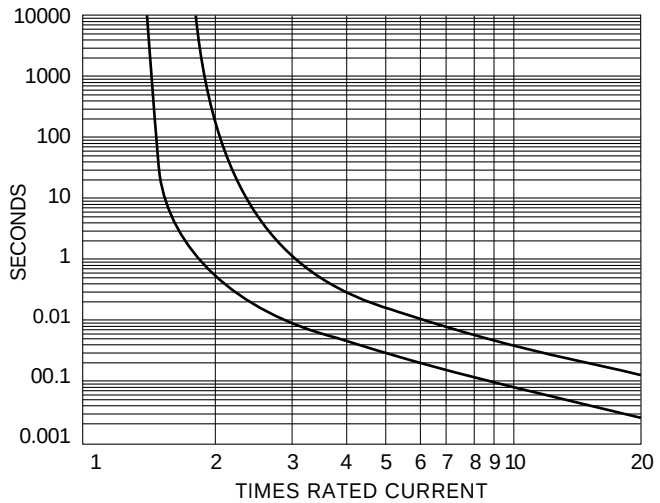
PO44/A fuses

Low voltage alarm and indicating mounting fuselink
Phenolic moulded body



% RATED CURRENT / PERFORMANCE	PERFORMANCE DATA					
	100		150		220	
	MIN	MAX	MIN	MAX	MIN	MAX
	1000 HRS	—	10 SEC	—	—	30 SEC

ENVELOPE CHARACTERISTIC CURVE



With acknowledgement to Kenneth E Beswick Ltd.

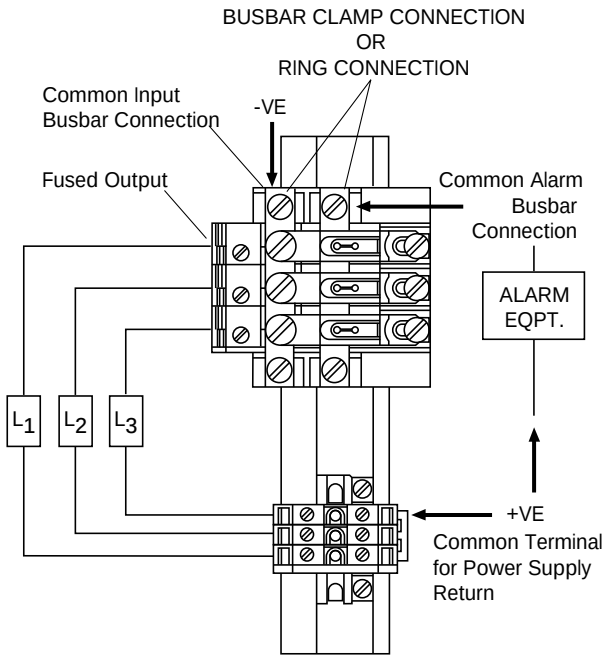
Standard Fuse		Cat No.
0.25A	Brown	043420
0.5A	lt. French Blue	043430
1A	Lemon	043440
1.5A	Red	043450
2A	Violet	043460
3A	Black	043470
4A	Grey	043480
5A	Green	043490
6A	White	043500

Non-standard Fuses (coded to TDP 44 and rating otherwise to PO specification)		Cat No.
0.75A	Salmon Pink	043510
2.5A	Orange	043520
3.5A	Blue & Black	043530
4.5A	Dark Brown	043540
9A	Orange & White	043550
15A	Red & White	950111

A typical 3-way assembly with Common Input and Common Alarm as illustrated would be built up as follows:-

3 Terminal	AFT	033322
2 End Section	AP	033302
2 Support Brackets	SBr	033316
1 Alarm Busbar	ABB	3 ways
1 Main Busbar	MBB	3 ways
2 Busbar Connections	Busbar connections can be made by ring crimps, etc. or by screw clamp connector type BBC 035220	

Plus 3 ways of SAK 2.5 if required, for return connection all mounted on a suitable length of TS32 channel.



Note:-

Standard SAK terminal blocks can also be mounted on the TS32 assembly rail for the +VE terminations.

We suggest:-

SAKR for disconnect connections (cross connect, using the required length of QB 25 013400, as necessary).

SAK 2.5 for feed-through connections (cross connect using the required length of QL as necessary).

Circuit Breaker Thermal Magnetic Type

Type 42-01 single pole

Accessory for TS 32 Rail

Type 42-01-2325 double pole

Accessory for TS 32 Rail

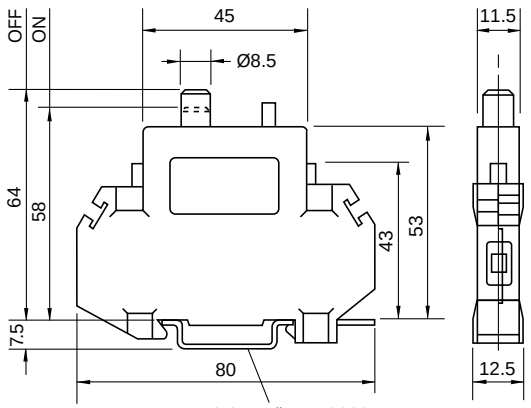
Features

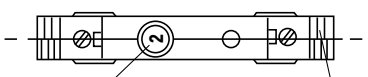
- Two button, tease free, trip free mechanism
- Small physical size
- Wide range of current ratings
- Single or double pole versions
- Recessed screw terminals conforms to BS 5420
- M – type CBE to IEC 934

Technical data		
Current ratings	0.05…16 A resistive and inductive load	0.05... 16A resistive and inductive load
Max. voltage rating	AC 250 V; DC 65 V	AC 250 V; DC 65 V
Creepage resistance	CTI 600 to IEC 112	CTI 600 to IEC 112
Dielectric strength	AC 1,500 V	AC 1,500 V
Insulation group	VDE 0110 Group C.	VDE 0110 Group C.
Operating area	AC 250 V / Test voltage AC 4,000 V double insulation to VDE 0631	AC 250 V / Test voltage AC 4,000 V double insulation to VDE 0631
Insulation resistance	> 100M ohms (DC 500 V)	> 100M ohms (DC 500 V)
Typical life at 2 x rated current	5,000 operations	5,000 operations
Shock	25 g (11 ms), to IEC 68-2-27, Test Ea	25 g (11 ms), to IEC 68-2-27, test Ea
Vibration	5 g (57 to 500 Hz/± 0.38 mm, 10 to 57 Hz) to IEC 68-2-6, Test Fc	5 g (57 to 500Hz/± 0.38 mm, 10 to 57 Hz) to IEC 68-2-6, test Fc
Corrosion	96 hours at 5% saltspray, to IEC 68-2-11, Test Ka	96 hours at 5% saltspray, to IEC 68-2-11, Test Ka
Humidity	240 hours at 95% RH, to IEC 68-2-3, Test Ca	240 hours at 95% RH, to IEC 68-2-3, Test Ca
Weight	approx. 60 g per pole	approx. 60 g per pole
Conductor sizes	0.5-10mm^2 solid 0.5-6mm^2 standard	0.5-10mm^2 solid 0.5-6mm^2 standard

Current Rating	Type Single Pole	Cat. No.	Qty.	Type Double Pole	Cat. No.	Qty.
0.05 A	42-01- 0.05 A	**912408**	10	42-01-2325- 0.05 A	**912422**	5
0.08 A	42-01- 0.08 A	**910465**	10	42-01-2325- 0.08 A	**912423**	5
0.1 A	42-01- 0.1 A	**910417**	10	42-01-2325- 0.1 A	**912035**	5
0.2 A	42-01- 0.2 A	**910418**	10	42-01-2325- 0.2 A	**912424**	5
0.3 A	42-01- 0.3 A	**912981**	10	42-01-2325- 0.3 A	**912426**	5
0.4 A	42-01- 0.4 A	**910409**	10	42-01-2325- 0.4 A	**912427**	5
0.5 A	42-01- 0.5 A	**910100**	10	42-01-2325- 0.5 A	**912958**	5
0.6 A	42-01- 0.6 A	**912411**	10	42-01-2325- 0.6 A	**912428**	5
0.7 A	42-01- 0.7 A	**912956**	10	42-01-2325- 0.7 A	**912429**	5
0.8 A	42-01- 0.8 A	**910110**	10	42-01-2325- 0.8 A	**912959**	5
1 A	42-01- 1 A	**910120**	10	42-01-2325- 1 A	**912961**	5
1.2 A	42-01- 1.2 A	**910130**	10	42-01-2325- 1.2 A	**912962**	5
1.3 A	42-01- 1.3 A	**912412**	10	42-01-2325- 1.3 A	**912431**	5
1.4 A	42-01- 1.4 A	**912413**	10	42-01-2325- 1.4 A	**912432**	5
1.5 A	42-01- 1.5 A	**910140**	10	42-01-2325- 1.5 A	**912963**	5
1.8 A	42-01- 1.8 A	**912414**	10	42-01-2325- 1.8 A	**912433**	5
2 A	42-01- 2 A	**910150**	10	42-01-2325- 2 A	**912964**	5
2.5 A	42-01- 2.5 A	**910160**	10	42-01-2325- 2.5 A	**912965**	5
3 A	42-01- 3 A	**910170**	10	42-01-2325- 3 A	**912966**	5
3.5 A	42-01- 3.5 A	**912416**	10	42-01-2325- 3.5 A	**912434**	5
4 A	42-01- 4 A	**910435**	10	42-01-2325- 4 A	**912971**	5
4.5 A	42-01- 4.5 A	**912417**	10	42-01-2325- 4.5 A	**912435**	5
5 A	42-01- 5 A	**910180**	10	42-01-2325- 5 A	**912967**	5
5.5 A	42-01- 5.5 A	**910783**	10	42-01-2325- 5.5 A	**912436**	5
6 A	42-01- 6 A	**910381**	10	42-01-2325- 6 A	**912437**	5
6.5 A	42-01- 6.5 A	**912004**	10	42-01-2325- 6.5 A	**912438**	5
7 A	42-01- 7 A	**910415**	10	42-01-2325- 7 A	**910439**	5
8 A	42-01- 8 A	**910300**	10	42-01-2325- 8 A	**910467**	5
9 A	42-01- 9 A	**910461**	10	42-01-2325- 9 A	**912442**	5
10 A	42-01- 10 A	**910190**	10	42-01-2325- 10 A	**912968**	5
11 A	42-01- 11 A	**912418**	10	42-01-2325- 11 A	**912443**	5
12 A	42-01- 12 A	**910784**	10	42-01-2325- 12 A	**912444**	5
13 A	42-01- 13 A	**912419**	10	42-01-2325- 13 A	**912445**	5
14 A	42-01- 14 A	**910785**	10	42-01-2325- 14 A	**912446**	5
15 A	42-01- 15 A	**910200**	10	42-01-2325- 15 A	**912969**	5
16 A	42-01- 16 A	**912421**	10	42-01-2325- 16 A	**912447**	5
Accessory for TS32 rail	Adaptor TS32	**910210**	10	Adaptor TS32	**910210**	10

Type 42-01
single pole

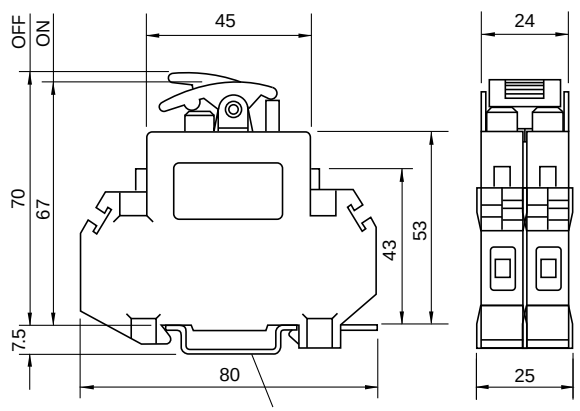




current rating A

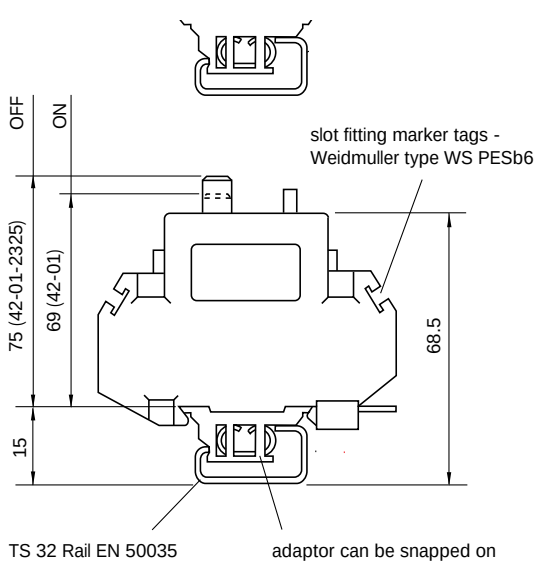
slot fitting marker tags - Weidmuller type WS

Type 42-01-2325
double pole



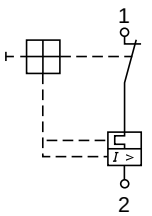
Accessories

Adaptor for TS32 Rail EN 50035 specified as a separate item — Part No. 910210

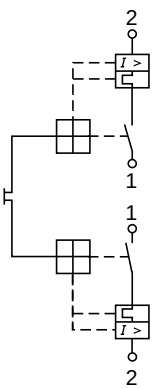


Internal wiring diagrams

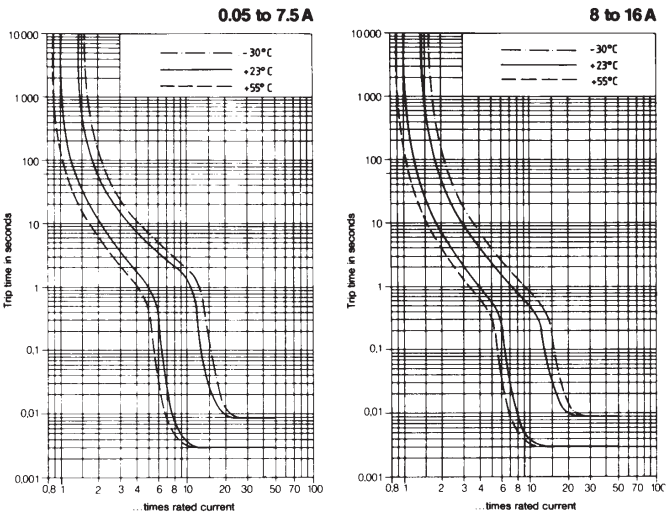
42-201



42-201-2325



Typical time/current characteristics



Standard current ratings and typical internal resistance values

Current ratings (A)	Internal resistance (Ohms)	Current ratings (A)	Internal resistance (Ohms)
0.05	447	3	0.2
0.08	220	3.5	0.16
0.1	131	4	0.10
0.2	40	4.5	0.09
0.3	19.3	5	0.08
0.4	10.4	5.5	0.07
0.5	7.1	6	0.06
0.6	5.1	6.5	0.04
0.7	3.58	7	0.03
0.8	2.50	8	0.02
1	1.67	9	0.02
1.2	1.22	10	< 0.02
1.3	1.09	11	< 0.02
1.4	0.98	12	< 0.02
1.5	0.61	13	< 0.02
1.8	0.55	14	< 0.02
2	0.38	15	< 0.02
2.5	0.24	16	< 0.02

Switching capacities

Current ratings	Normal break capacity	Max. rupture capacity (3 x)
0.05… 0.8 A	self protected	
1.0 … 2 A	10 x rated current	max. 200 A
2.5 …16 A	10 x rated current	max. 400 A

Up to 1,000 A UL tested and approved according to UL standard 1077

Type 8340

Features

- Auxilary contact function

Typical Applications

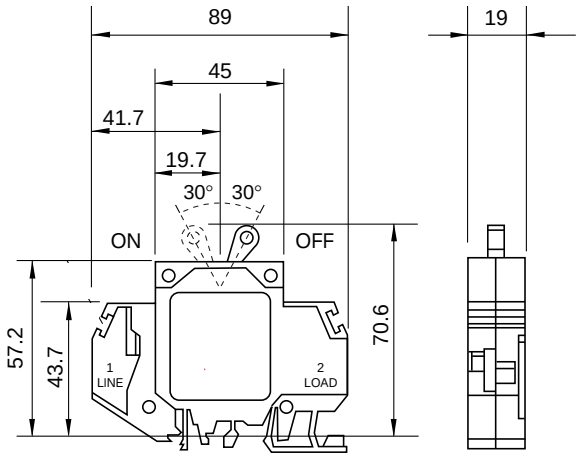
- Power supplies
- Control equipment
- Communication systems

Technical data	
Current ratings range	0.02…30 A (higher ratings to special order)
Max. voltage rating	3 AC 415 V; AC 240 V (50/60Hz); DC 110 V
Protection class (IEC 730-1)	If, when mounted to the installation drawing
Typical life (VDE 0660, part 101)	10,000 operations at 1 x 1_N (inductive load)
Overload performance (VDE 0660, part 101)	25 operations at 6 x 1_N, AC 275 V or at 2.5 x 1_N, DC 72 V or at 2.5 x 1_N, DC 72 V (inductive load)
Temperature range	-40 °C…+85 °C
Insulation co-ordination (IEC 664 and 664A)	Rated impulse withstand voltage: 4 kV; Pollution degree: 3 additional insulation in the operating area
Dielectric strength (IEC 664 and 664A)	Test voltage operating area: AC 4,000 V pole to pole: AC 2,000 A man to aux. circuit: AC 2,000 V
Insulation resistance	> 100Mohm (DC 500 V)
Interrupting capacity (VDE 0660, part 101, P-2)	AC 2,000 A DC 3,500 A
Ultimate short-circuit breaking capacity (UL 1077)	1_N / 1 pole: 0.02…20 A: AC240V/3500 A; 25…30 A: AC240V/3500 A
Environmental protection (IEC 529/DIN 40050)	operating area IP 40 terminal area IP 00
Shock	100 g (11ms) at 1 x 1_N, directions 1-5 100 g (11ms) at 0.8 x 1_N, direction 6 With curves F1, F2: 100 q (11ms) at 0.8 x 1_N to IEC 68-2-27, Test Ea
Vibration	with toggle down: 10 g (57-2000 Hz) at 0.9 x 1_N Other mounting planes: 10 g (57-2000 Hz) at 1 x 1_N With curves F1, F2: 10 g (57-2000 Hz) at 0.8 x 1_N in all planes; to IEC 68-2-6, Test Fc 10 frequency cycles/axis
Corrosion	96 hours at 5% saltspray, to IEC 68-2-11, Test Ka
Humidity	240 hours at 95% RH, to IEC 68-2-3, Test Ca
Mass	approx. 98 g per pole

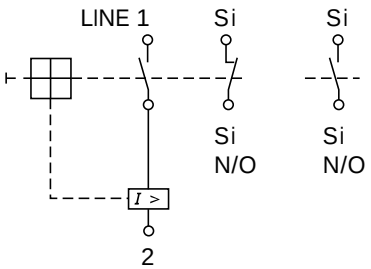
Approvals

Authority	Voltage ratings	Current ratings
UL, CSA	AC 240 V; DC 65 V	0.02…30 A
	3 AC 250 V	0.02…30 A

Current Rating	Type	Cat. No.	Qty.
0.5 A	8340 - T110 - K1M2 - AEH136 - 0.5 A	**953000**	6
1.0 A	8340 - T110 - K1M2 - AEH136 - 1.0 A	**953001**	6
2.5 A	8340 - T110 - K1M2 - AEH136 - 2.5 A	**953002**	6
5.0 A	8340 - T110 - K1M2 - AEH136 - 5.0 A	**953003**	6
10 A	8340 - T110 - K1M2 - AEH136 - 10 A	**953004**	6
15 A	8340 - T110 - K1M2 - AEH136 - 15 A	**953005**	6
20 A	8340 - T110 - K1M2 - AEH136 - 20 A	**953006**	6
25 A	8340 - T110 - K1M2 - AEH136 - 25 A	**953007**	6
30 A	8340 - T110 - K1M2 - AEH136 - 30 A	**953008**	6

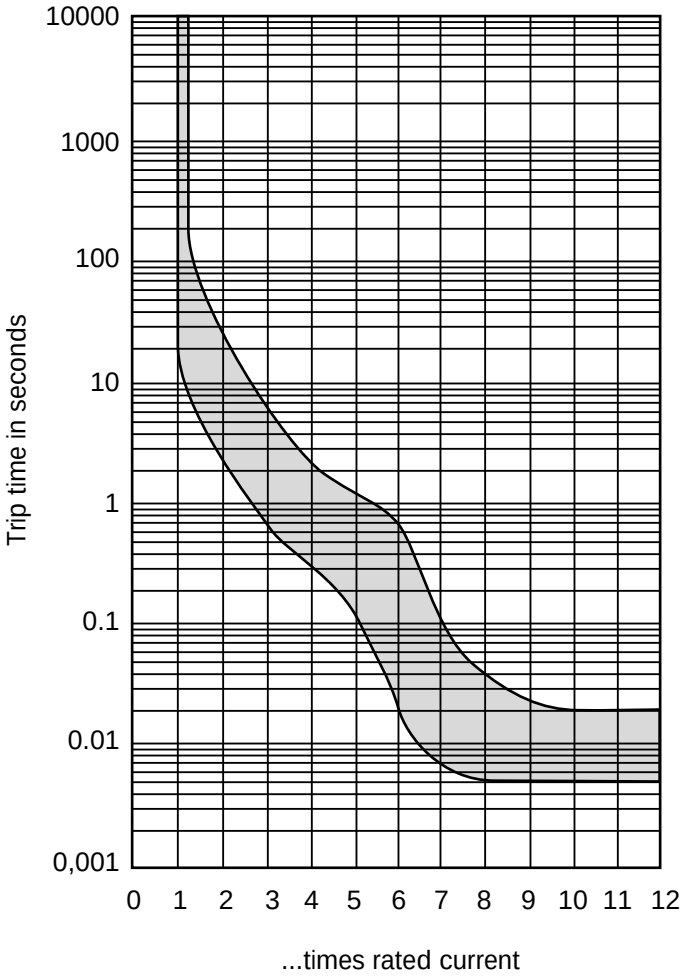


1 pole
protected magnetically



Typical time/current characteristics

**Curve M2 (medium delay)
for AC 50/60 Hz**



Standard current ratings and typical internal resistance values

Current ratings (A)	Curves and internal resistance per pole (Ω) K2, M2, T2
0.1	94
0.5	3.2
2.5	0.15
0.5	0.040
10	<0.02
15	<0.02
20	<0.02
25	<0.02
30	<0.02

Other types of tripping characteristics/curves are available to special order, please contact the Technical Sales Department.

Screw clamp connections (Spring loaded)

RSF 3
RSF 3/35
630V 32A

RSF 1
500V 57A

Spring loaded terminals

These spring loaded terminals were designed specifically to meet the stringent requirements of Category 1 terminals as specified in ESI 50-18 (formerly ESI 12-1).

The clamping yokes are type 'B' to ESI 50-18 i.e. Screw Clamp/spring loaded insertion type, to accommodate two hooked blade locates in the slots in the current bar behind the Screw Clamp, the second blade locates on the underside of the clamp.

NOTE: Stripping lengths given are for direct entry conductors, whereas with Hook Bladed crimps the stripping length should be according to the crimp manufacturers recommendations.
RSF1 takes 4.6mm wide hook blades (size 1)
RSF3 takes 3mm wide hook blades (size 2)

		Thickness 8mm				Thickness 11mm		
Technical data								
Conductor size	Solid (mm^2)	0.5-4				0.5-10		
	Stranded (mm^2)	0.5-4				0.5-10		
Insulation stripping length	(mm)	12				12		
Dimensions	width/length/height	8/50/60(TS32) 53(TS35)				11/50/60		
Ordering data		⊏	Qty.	⊐	Qty.		Cat.No.	Qty.
Moulding material	Beige Polyamide	**049756**	50	**950116**	50			
To order EEX'e' and EX'N' terminals, add suffix 'E' or 'N' to Cat No.	Blue Polyamide							
	Beige Melamine						**027032**	50
Approvals								
All Approvals are listed in Approvals section								
Terminal rail (2m)		⊏	Qty.	⊐	Qty.		⊏	Qty.
	Steel	**012280**	20	**038340**	20		**012280**	20
	Steel (M6 Slots)	**067610**	20	**067620**	20		**067610**	20
Locking pin (1m) – optional	Steel	**015270**		1			**015270**	1
End bracket (thickness mm)								
	EWK 1 (8.5)	**020616**	25			EWK 1 (8.5)	**020616**	25
	EW 35	**038356**	50					
End plate (thickness mm)								
	Beige Polyamide	AP (3)		**027046**	10			
	Beige Melamine					AP (3)	**027042**	10
Partition t(hickness mm)								
	Beige Polyamide	TW (1.5)		**387796**	10			
	Resin bonded paper	TW (2)		**383350**	20	TW (2)	**383350**	20
	Resin bonded paper	TW (0.5)		**047470**	20	TW (0.5)	**047470**	20
	Polyamide	TSch 1		**031916**	100			
Cross-connection								
	2 way	QL 2		**026740**	50	QL 2	**026740**	50
	3 way	QL 3		**026750**	50	QL 3	**026750**	50
	4 way	QL 4		**026760**	50	QL 4	**026760**	50
	10 way	QL 10		**033830**	10	QL 10	**034170**	20
	Sleeve	VH 13.5		**024850**	100	VH 17.5	**028520**	50
	Screw	BS (M3 x 20)		**030300**	100	BS (M3 x 25)	**029250**	100
	Washer					SS	**016440**	50
	4 way plug					QS 4	**036976**	10
Switching Link								
	2 way	VH 2		**019470**	50	VH 2	**052840**	50
	Sleeve	VH 21		**030960**	100	VH 27	**030940**	50
	Screw	BS (M3 x 20)		**029620**	50	BS (M3 x 25)	**030980**	50
	Washer	SS		**016440**	50	SS	**016440**	50
Test Plug								
	Plug	PS (2.3Ø)		**018040**	50	PS (2.4Ø)	**029960**	20
	Plug bolt	StB 14		**016860**	50	StB 18	**028650**	20
Cover (1m)								
	Transparent cover	ADP 2		**048530**	1	ADP 2	**048530**	1
	Support bracket	HP 2		**048566**	20	HP 2	**048566**	20
Warning Label								
	Label	AD4		**037600**	10			
	Plastic screw	BSK (M3 x 30)		**027780**	50			
Marking tags								
		DEKAFIX – Section 3				DEKAFIX – Section 3		
Additional accessories please see relevant Catalogue Section								

Air pressure connectors

		SV 2	SV 3
Dimensions			
Width/length/height (mm)	With TS 32 ⊏⊐	20/72/34.5	20/72/51.5
Width/length/height (mm)	With TS 35 x 7.5 ⊐⊏	20/72/45	20/72/60
Insulation stripping length	mm		
Technical data			
		Tube 6 x 1 mm	Tube 6x1 mm
		(internal 4 mm)	(internal 4 mm)
Permissible pressure		10 at = 9.81 bar	10 at = 9.81 bar

Ordering data	Version	⊏⊐	⊐⊏	Qty.	⊏⊐	⊐⊏	Qty.
	Polyamide	**021746**	**160965**	50	028056	**161009**	20

Sealing cap	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	KA	**029236**	200	KA	**029236**	200

Elbow	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	WK	**029556**	50	WK	**029556**	50

	Sealing cap	Elbow Sealing cap

Mounting rails, end brackets please see relevant Catalogue Section

Connector support terminal

KCS/BNC 50 KCS/BNC 75

Thickness 24mm

KCS Support Block

This connector support terminal is primarily designed for BNC Connectors where a central termination or anchor point is required on a co-axial cable datacom system, typically in Control Desks, cubicles or enclosures.

The connector support KCS mounts onto TS32 or TS35 DIN Rail in the same way as standard terminals. Because of the versatility of the product, we can supply any connector product fitted in the support i.e. **co-axial, fibre-optic, electrical or pneumatic** connector provided its outside dimensions are within 22mm.

Technical data								
		Accepts BNC						
		Plug both sides						
Dimensions	width/length/height	24/60/58				24/60/58		
Ordering data		⌐¬	Qty.	⌐¬	Qty.	⌐¬	Qty.	⌐¬ Qty.
Moulding material	KCS/BNC 50	**950140**	10	**950145**	10			
	KCS/BNC 75	**950141**	10	**950146**	10			
	KCS Support Block					**301862***	10	**950147*** 10
Approvals		CSA UL						
Terminal rail (2m)		Type		Cat.No.	Qty.			
	Steel	TS 32		**012280**	1			
	Steel (M6 Slots)	TS 32		**067610**	1			
⌐¬		TS 35		**067620**	1			
Locking pin (1m) – optional	Steel	SST 3		**015270**	1			
End bracket (thickness mm)								
		EWK 1 (8.5)		**020616**	25			
		EW 35 (8.5)		**038356**	50			

Connector technical data

Connectors manufactured to comply with BS9210/F0013 & MIL-C-39012
Impedance: BNC 50 : 50 Ω BNC 75 : Ω
Frequency Range: 0-4 GHz with low reflection to 11 GHz
Voltage Rating: 500 Votls rms
Dieletric withstand voltage: 1500 Volts rms

Material

Centre Contracts Beryllium Copper. Gold Plated
Outer metal parts Brass. Nickel Plated
Insulation Delrin (Du Pont)
Gasket Silicone Rubber

Approvals

CSA – File No. 12400 – 258. 600V
UL – File No. E92202 Vol 1. Section 4 10V 50mA

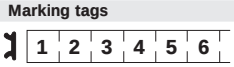
Marking tags

DEKAFIX – Section 3 | DEKAFIX – Section 3

Additional accessories please see relevant Catalogue Section

Note * KCS Support Block is supplied with no hole or connector

Disconnect terminals

	SAKR SAKR/35	DKT 4 DKT 4/35	DKT 4 V DKT 4V/35	ASK 1
Dimensions				
Width/length/height (mm) With TS 32 ⊏⎽	6.5/42/40.5/54.5	6/65/56.5/70	6/65/56.5/70	8/58/49
Width/length/height (mm) With TS 35 x 7.5 ⊐⎽	6.5/46/38/52	6/65/56.5/70	6/65/56.5/70	8/58/44
Insulation stripping length/clamping screw/blade size	8 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6
Rated data				
Rated voltage/current/cross-section	400 V[6])/10 A/4 mm²	400V/10 A/4 mm²	400 V/10 A/4 mm²	500 V/19 A/4 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.5…1.0/0.5 StB	0.5…1.0/0.5 StB	0.5…1.0/0.5 StB	0.5…1.0
Torque setting with DMS2 electric screwdriver	2/1	2/1	2/1	2
Clampable conductors				
"e" solid H07V-U mm²	0.5…4	0.5…4	0.5…4	0.5…4
"m" stranded H07V-R mm²	1.5…4	1.5…4	1.5…4	1.5…4
"f" flexible H07V-K mm²	0.5…4	0.5…7	0.5…7	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to 947-1 Size	A 3	A 3	A 3	A 3
Contin. current rating of cross-connection 2…5-pole A	(QB 2…25) 10	(QB 2…4) 10	(QB 2…4) 10	(QB 2…4) 10
Contin. current rating of cross-connection 6…10-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/10 A/26…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/15 A/12 max. AWG
Voltage/current/conductor size CSA	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/6.3 A/26…12 AWG
Ordering data Type	⊏⎽ Qty. ⊐⎽ Qty.	⊏⎽ Qty. ⊐⎽ Qty.	⊏⎽ Qty. ⊐⎽ Qty.	⊏⎽/⊐⎽ Qty.
Melamine	**041212** 100			
Polyamide	**041216** 100 **017216** 100	**068736** 50 **068746** 50		**045636** 100
Without diode Polyamide				
With diode Polyamide				
Blue Polyamide	**041218** 100 **017218** 100			
Orange Polyamide	**146196** 100			**010526** 100
With 2 StB[5]) Melamine	**041222** 100			
With 2 StB[5]) Polyamide	**041226** 100 **018336** 100	**032786** 50 **032796** 50	**130486** 50 **130496** 50	
With 2 StB[5]) Without diode Polyamide				
With 2 StB[5]) Blue	**041228** 100 **018338** 100			
End plate (thickness mm)	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
Melamine	AP (1.5) **021132** 20			
Polyamide	AP (1.5) **021136** 20	AP (1.5) **068756** 20	AP (1.5) **068756** 20	AP (1.5) **038036** 20
Blue Polyamide	AP (1.5) **021138** 20			
Partition (thickness mm)				
	TW HP (1.0) **029710**** 20	TW HP (2.0) **060700**** 20	TW HP (2.0) **060700**** 20	TW HP (2.0) **060700**** 20
Cross-connection				
2-pole	QB 2[4]) **048270** 100	QB 2[4]) **048270** 100	QB 2[4]) **048270** 100	QB 2[4]) **046110** 100
3-pole	QB 3[4]) **048280** 50	QB 3[4]) **048280** 50	QB 3[4]) **048280** 50	QB 3[4]) **046120** 50
4-pole	QB 4[4]) **048290** 50	QB 4[4]) **048290** 50	QB 4[4]) **048290** 50	QB 4[4]) **046130** 50
25-pole	QB 25 bare[4]) **013400** 20			3-pole ganging with SchS 2
75-pole		QB 75 bare[4]) **052640** 10	QB 75 bare[4]) **052640** 10	marking tag carrier
QB 4 Insulation profile		IP **052670** –	IP **052670** –	(Cat.No. **033740**)
Screw driver for StB				
Size: 0.8 x 4				
Contact sleeve (spare)				
				Contact sleeve **055330** 100
Test plug				
	PS 2.3 **018040** 20	PS 2.3 **018040** 20	PS 2.3 **018040** 20	
Diode plug (spare)				
Without diode				
With diode 1N4007				
Marking tags **Print**				
 Consecutive horizontal	FW 6.5 **046816** –	FW 6 **046866** –	FW 6 **046866** –	FW 5 **047346** –
vertical printed	FS 6.5 **046826** –	FS 6 **046876** –	FS 6 **046876** –	FS 5 **047356** –

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

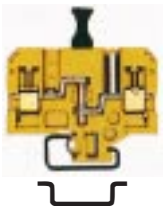
[1]) Without DLS [2]) With empty DLS [3]) With DLS 1N4007
[4]) When using QB, the rated cross-section is reduced to max. 2.5 mm²
[5]) With DKT 4 only in upper terminal tier
[6]) As disconnect terminal; 250 V rated voltage
** For TS 32 only

Disconnect terminals

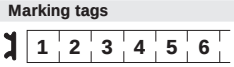
SAKR-D
SAKRD/35

SAKC 4
SAKC 4/35

SAKC 10
SAKC 10/35



RSF 2

			Dimensions										
6.5/42/40.5/57			Width/length/height (mm)	With TS 32 ⊏⎽		6.5/40/51.5/67			12/65/52.5/70.5			11/77/72.5	
6.5/46/38/54.5			Width/length/height (mm)	With TS 35 x 7.5 ⎽⊐		6.5/49.5/42.5/59.5			12/65/66				
8 mm/M 3/3.5 x 0.6			Insulation stripping length/clamping screw/blade size			12 mm/M 3/3.5 x 0.6			12 mm/M 4/5.5 x 1.0			12	
			Rated data										
400 V/10 A/4 mm²			Rated voltage/current/cross-section			400 V/25 A/4 mm²			500 V/27 A/10 mm²			600 V/30 A/10 mm²	
6 kV/3			Rated impulse voltage VDE 0110/1.89/pollution severity			6 kV/3			6 kV/3				
			Further technical data										
0.5…1.0/0.5 StB			Tightening torque range		Nm	0.5…1.0/0.5 StB			1.2…2.4				
2/1			Torque setting with DMS2 electric screwdriver			2/1			4				
			Clampable conductors										
0.5…4			"e" solid H07V-U		mm²	0.5…6			0.5…16			0.75...16	
1.5…4			"m" stranded H07V-R		mm²	1.5…4			1.5…16			0.75...10	
0.5…4			"f" flexible H07V-K		mm²	0.5…4			0.5…10				
0.5…2.5			"f" flexible H07V-K and AEH DIN 46 228/1		mm²	0.5…4			0.5…10				
A 3			Gauge pin to 947-1		Size	A 4			B 6				
(QB 2…25) 10			Contin. current rating of cross-connection 2…5-pole		A	(QB 2…25) 10			(QL 2…5) 47				
			Contin. current rating of cross-connection 6…10-pole		A				(QL 6…10) 36				
			UL/CSA rated data										
300 V/10 A/26…12 AWG			Voltage/current/conductor size		UL	300 V/–/22…12 AWG			300 V/25 A/22…8 AWG				
300 V/10 A/22…12 AWG			Voltage/current/conductor size		CSA	300 V/25 A/22…10 AWG			600 V/25 A/20…10 AWG				
⊏⎽	Qty.	⎽⊐	Qty.	**Ordering data**	**Type**	⊏⎽	Qty.	⎽⊐	Qty.	⊏⎽	Qty.	⎽⊐	Qty.	⊏⎽	Qty.	⊏⎽	Qty.
					Wemid Colour			**035756**	50								
041296[1]	100	**029996**[1]	50	With 1 StB	Melamine	**034072NP**	100	**035752**	100	**032402NP**	50			**062332†**	20	**062312‡**	20
041306[2]	50	**018576**[2]	50	With 2 StB	Melamine	**034062NP**	100	**035762**	100	**032412NP**	50	**140462**	50				
026366[3]	50	**029956**[3]	50	With 1 StB	Melamine							**140452**	50				
				With 2 StB	Wemid Colour			**035766**	50								
				End plate (thickness mm)		Type		Cat.No.	Qty.	Type		Cat.No.	Qty.				
054646[1]	100				Melamine	AP (1.5)		**011792**	20	AP (3.0)		**014672**	20	AP (3.0)		**030142**	10
041316[2]	50				Wemid	AP (1.5)		**017760**	20								
					Polyamide												
Type		Cat.No.	Qty.	**Partition** (thickness mm)													
					Melamine							TW (3.0)	**024292**	20			
AP (1.5)		**021136**	20		Polyamide	TW (1.5)		**013012**	20	TW (1.5)		**024296**	20				
					HP	TW (1.0)		**029710****	20								
				Cross-connection													
					1-pole	QB 2[4]		**048270**	100	QL 2		**013550**	50	QL 2		**026740**	50
					3-pole	QB 3[4]		**048280**	50	QL 3		**013560**	50	QL 3		**026750**	50
TW HP (1.0)		**029710****	20		4-pole	QB 4[4]		**048290**	50	QL 4		**013570**	50	QL 4		**026760**	50
					10-pole					QL 10		**033850**	20	QL 10		**034170**	20
					25-pole	QB 25 bare[4]		**013400**	20								
QB 2[4]		**048270**	100	QL	QB					VH 14		**029970**	50				
QB 3[4]		**048280**	50							BS M 4x20		**036280**	100	BS M 4x6		**014970**	100
QB 4[4]		**048290**	50							SS M 4		**013640**	100	SB 14		**013530**	100
QB 25 bare[4]		**013400**	20														
				Dummy plug													
SDIK		**902494**	–		Made of plastic to keep the place of a pulled plug	BST 4 green		**133905**	500					BST 1		**387806**	20
						BST 4 red		**133906**	500								
						BST 4 blue		**133908**	500								
				Test plug/socket													
					Plug/test socket usable without QL PS							StB 13.5	**013520**	50	StB 17	**014710**	50
					StB	PS 2.3		**018040**	20	PS 4		**029960**	20	PS 4		**029960**	20
PS 2.3		**018040**	20	**Disconnector plug (spare)**													
						TST 4		**138060**	20	TST 10		**046270**	20				
				Extraction tool													
DLS 2		**032106**	50	For TST 4		ZI WE		**062306**	10								
DLS 2		**063016**	50														
				Marking tags	**Print**												
FW 6.5		**046816**	–		Consecutive horizontal	FW 6.5		**046816**	–								
FS 6.5		**046826**	–		Vertically printed	FS 6.5		**046826**	–								

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

** TS32 only

† with disconnect plug (73mm high)

‡ with long handled disconnect plug (86mm high)

Disconnect plug terminals
Type PPT
Screw clamp connectors

PPT/35
15K Vac (Induced)

Thickness 15mm

Technical data

Conductor size	Solid (mm^2)	0.5-10 or 2 hook blade crimps		
	Stranded (mm^2)	0.5-10		
Insulation stripping length	(mm)	12		
Width/length/height (mm)		15/138/79		

Ordering data		Cat.No.	Qty.
Moulding material	Black Bakelite	**383502**	10
		Complete with disconnect plug but without handle	
		Terminal supplied in boxes of 10 with 1 plug handle per box	

Approvals

All Approvals are listed in Approvals section

Terminal rail (2m)	Type	Cat.No.	Qty.
P.V.C. 35 x 1.5mm	TSK 35	**051430**	1

End bracket (thickness mm)			
	WEW 35 (12)	**105900**	50

End plate (thickness mm)			
Black Bakelite	AP/PPT (3)	**383512**	10

Plug (spare)			
Disconnect plug	Tst/PPT	**383536**	10

Handle (spare)			
Handle	PH/PPT	**383526**	10

Test Plug

Plug	PS (4Ø)	**029960**	20
Plug Bolt	StB 17	**014710**	50

Marking tags

DEKAFIX – Section 3

Additional accessories please see relevant Catalogue Section

Disconnect terminals

	SAK A 10	SAK B 10
Dimensions		
Width/length/height (mm) With TS 32 ⊏⎽⎽⊐	12/82/55.5	10/65/52.5
Width/length/height (mm) With TS 35 x 7.5 ⊐⎽⎽⊏	–	–
Insulation stripping length/clamping screw/blade size	12 mm/M 4/5.5 x 1.0	12 mm/M 4/5.5 x 1.0
Rated data		
Rated voltage/current/cross-section	500 V/47 A/10 mm²	500 V/63 A/10 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	6 kV/3
Further technical data		
Tightening torque range Nm	1.2…2.4	1.2…2.4
Torque setting with DMS2 electric screwdriver	4	4
Clampable conductors		
"e" solid H07V-U mm²	0.5…16	0.5…16
"m" stranded H07V-R mm²	1.5…16	1.5…16
"f" flexible H07V-K mm²	0.5…10	0.5…10
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…10	0.5…10
Gauge pin to 947-1 Size	B 6	B 6
Contin. current rating of cross-connection 2…5-pole A	(QL 2…5) 47	(QL 2…5) 47
Contin. current rating of cross-connection 6…10-pole A	(QL 6…10) 36	(QL 6…10) 36
UL/CSA rated data		
Voltage/current/conductor size UL	600 V/–/18…8 AWG	600 V/–/18…8 AWG
Voltage/current/conductor size CSA	600 V/35 A/18…8 AWG	600 V/45 A/18…8 AWG

Ordering data Type	⊏⎽⎽⊐ Cat.No.	Qty.	⊏⎽⎽⊐ Cat.No.	Qty.
Melamine	**013412**	25	**013492**	40

End plate (thickness mm) Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Melamine AP (3.0)	**013422**	20	AP (3.0)	**014672**	20

Partition (thickness mm)					
Melamine TW (3.0)	**025712**	20	TW (3.0)	**024292**	20

Cross-connection					
2-pole	QL 2	**013550**	50	QL 2	**011410**	100
3-pole	QL 3	**013560**	50	QL 3	**011430**	50
4-pole	QL 4	**013570**	50	QL 4	**011450**	50
10-pole	QL 10	**033850**	20	QL 10	**033840**	20
QL	VH 23	**034870**	50			
	BS M 4 x 30	**026710**	50	BS M 4 x 9	**010330**	100
	SS M 4	**013640**	100	SS M 4	**013640**	100

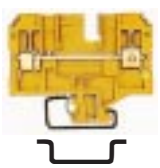
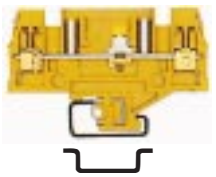
Switchable cross-connection link					
	VL 2	**013580**	50	VL 2	**013590**	50
	VH 23	**034870**	50			
VL BS VH	BS M 4 x 30	**026710**	50	BS M 4 x 9	**010330**	100

Test plug/socket					
Plug/test socket usable without QL	StB 13.5	**013520**	50	StB 16	**014020**	50
PS					
StB	PS 4	**029960**	20	PS 4	**029960**	20

Marking tags **Print**					
1 2 3 4 5 6 Consecutive horizontal	FW 5	**047346**	–	FW 5	**047346**	–
vertical printed	FS 5	**047356**	–	FS 5	**047356**	–

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Disconnect terminals

	SAKT 1/LT SAKT 1/35/LT	SAKT 1/DU 1 SAKT 1/35/DU 1	SAKT 1/QT 1 SAKT 1/35/QT 1	SAKT 2/LT SAKT 2/35/LT
				
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	8/65/52.5	8/65/52.5	8/65/52.5	8/82/52.5
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	8/65/48.5	8/65/48.5	8/65/48.5	8/82/48.5
Insulation stripping length/clamping screw/blade size	12 mm/M 3.5/4.0 x 0.8	12 mm/M 3.5/4.0 x 0.8	12 mm/M 3.5/4.0 x 0.8	12 mm/M 3.5/4.0 x 0.8
Rated data				
Rated voltage/current/cross-section	400 V/27 A/6 mm²	400 V/27 A/6 mm²	400 V/27 A/6 mm²	400 V/27 A/6 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.8…1.6	0.8…1.6	0.8…1.6	0.8…1.6
Torque setting with DMS2 electric screwdriver	3	3	3	3
Clampable conductors				
"e" solid H07V-U mm²	0.5…10	0.5…10	0.5…10	0.5…10
"m" stranded H07V-R mm²	1.5…10	1.5…10	1.5…10	1.5…10
"f" flexible H07V-K mm²	0.5…6	0.5…6	0.5…6	0.5…6
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…8	0.5…8	0.5…6	0.5…6
Gauge pin to 947-1 Size	A 5	A 5	A 5	A 5
Contin. current rating of cross-connection 2…5-pole A	(QL 2…5) 47	(QL 2…5) 47	(QL 2…5)	(QL 2…5) 47
Contin. current rating of cross-connection 6…10-pole A	(QL 6…10) 36	(QL 6…10) 36	(QL 6…10)	(QL 6…10) 36
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/25 A/26…8 AWG*	300 V/25 A/26…8 AWG*	300 V/25 A/26…8 AWG*	300 V/25 A/26…8 AWG*
Voltage/current/conductor size CSA	300 V/25 A/26…8 AWG	300 V/25 A/26…8 AWG	300 V/25 A/26…8 AWG	300 V/25 A/26…8 AWG

Ordering data

Type	⊏⊐ Qty.	⊐⊏ Qty.
Back wall closed Melamine	**026912** 50	**010542** 50
Back wall open Melamine	**019562** 50	**010582** 50
4 StB 14 Melamine 60 V***		
1 StB 2 Melamine		
1 StB 2.3 Melamine		
2 StB 14 Melamine	**043792** 50	**010562** 50
2 StB 2.3 Melamine		**010586** 50
Polyamide		
2 StB Polyamide		**010566** 50

Type	⊏⊐ Qty.	⊐⊏ Qty.
Back wall closed Melamine	**055042** 50	
Back wall open Melamine	**026932** 50	**010572** 50
4 StB 14 Melamine 60 V***		
1 StB 2 Melamine		
1 StB 2.3 Melamine		
2 StB 14 Melamine		
2 StB 2.3 Melamine		**010576** 50
Polyamide		
2 StB Polyamide		

Type	⊏⊐ Qty.	⊐⊏ Qty.
Back wall closed Melamine	**049482** 50	**012462** 50
Back wall open Melamine		
4 StB 14 Melamine 60 V***		
1 StB 2 Melamine		
1 StB 2.3 Melamine		
2 StB 14 Melamine		
2 StB 2.3 Melamine		
Polyamide		
2 StB Polyamide		

Type	⊏⊐ Qty.	⊐⊏ Qty.
Back wall closed Melamine	**044542** 50	
Back wall open Melamine		
4 StB 14 Melamine 60 V***	**043772** 50	**010602** 50
1 StB 2 Melamine		
1 StB 2.3 Melamine		
2 StB 14 Melamine	**033062** 50	**010592** 50
2 StB 2.3 Melamine		
Polyamide		
2 StB Polyamide		

End plate/partition/small partition (thickness mm)

Type	Cat.No.	Qty.
Melamine AP (3.0)	**014672**	20
Melamine TW (3.0)	**024292**	20
Polyamide AP (1.5)	**014676**	20
Polyamide TW (1.5)	**024296**	20
For TS 32 HP TW (0.5)	**047470**	20
TSch 2	**035366**	100

Type	Cat.No.	Qty.
Melamine AP (3.0)	**014672**	20
Melamine TW (3.0)	**024292**	20
Polyamide AP (1.5)	**014676**	20
Polyamide TW (1.5)	**024296**	20
For TS 32 HP TW (0.5)	**047470**	20
TSch 2	**035366**	100

Type	Cat.No.	Qty.
Melamine AP (3.0)	**014672**	20
Melamine TW (3.0)	**024292**	20
Polyamide AP (1.5)	**014676**	20
Polyamide TW (1.5)	**024296**	20
For TS 32 HP TW (0.5)	**047470**	20
TSch 2	**035366**	100

Type	Cat.No.	Qty.
Melamine AP (2.5)	**032912**	20
Melamine TW (2.5)	**035182**	20
TSch 2	**035366**	100
TSch 2 orange	**013246**	100

Cross-connection

QL

QVSK 2

QVS

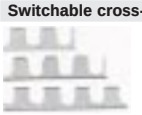
	Cat.No.	Qty.
QL 2	**019430**	50
QL 3	**019440**	50
QL 4	**019450**	50
QL 10	**033830**	20
VH 12	**024900**	100
BS M 3x20 Cu	**037710**	100
QS 2	**027096**	20
QVSK 2	**167036**	20
QVS 3	**032930**	20
QVS 4	**030740**	20
VH 19	**031800**	50
BS 25 bare	**033470**	50

	Cat.No.	Qty.
QL 2	**019430**	50
QL 3	**019440**	50
QL 4	**019450**	50
QL 10	**033830**	20
VH 12	**024900**	100
BS M 3x20 Cu	**037710**	100
QS 2	**027096**	20
QVSK 2	**167036**	20
QVS 3	**032930**	20
QVS 4	**030740**	20
VH 19	**031800**	50
BS 25 bare	**033470**	50

	Cat.No.	Qty.
QL 2	**019430**	50
QL 3	**019440**	50
QL 4	**019450**	50
QL 10	**033830**	20
VH 12	**024900**	100
BS M 3x20 Cu	**037710**	100
QS 2	**027096**	20
QVSK 2	**167036**	20
QVS 3	**032930**	20
QVS 4	**030740**	20
VH 19	**031800**	50
BS 25 bare	**033470**	50

	Cat.No.	Qty.
QL 2	**019430**	50
QL 3	**019440**	50
QL 4	**019450**	50
QL 10	**033830**	20
VH 12	**024900**	100
BS M 3x20 Cu	**037710**	100
QS 2	**027096**	20
QVSK 2	**167036**	20
QVS 3	**032930**	20
QVS 4	**030740**	20
VH 19	**031800**	50
BS 25 bare	**033470**	50

Switchable cross-connection link



	Cat.No.	Qty.
QB 2	**020570**	50
QB 3	**020580**	50
QB 4	**020590**	50
QB 10	**034380**	20

	Cat.No.	Qty.
QB 2	**020570**	50
QB 3	**020580**	50
QB 4	**020590**	50
QB 10	**034380**	20

	Cat.No.	Qty.
QB 2	**020570**	50
QB 3	**020580**	50
QB 4	**020590**	50
QB 10	**034380**	20

	Cat.No.	Qty.
QB 2	**020570**	50
QB 3	**020580**	50
QB 4	**020590**	50
QB 10	**034380**	20

Disconnect lock

	Cat.No.	Qty.
SSP 3	**053176**	100

	Cat.No.	Qty.
SSP 3	**053176**	100

	Cat.No.	Qty.
SSP 3	**053176**	100

	Cat.No.	Qty.
SSP 3	**053176**	100

Marking tags **Print**

		Cat.No.
Consecutive horizontal	FW 5	**047346**
Consecutive vertical	FS 5	**047356**

		Cat.No.
Consecutive horizontal	FW 5	**047346**
Consecutive vertical	FS 5	**047356**

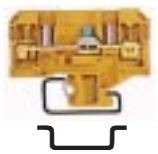
		Cat.No.
Consecutive horizontal	FW 5	**047346**
Consecutive vertical	FS 5	**047356**

		Cat.No.
Consecutive horizontal	FW 5	**047346**
Consecutive vertical	FS 5	**047356**

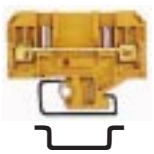
Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

*for TS 3522...8 AWG., ** With StB Ø 2.0 *** With AP 400 V

SAKT 4/LT
SAKT 4/35/LT



SAKT 4/DU



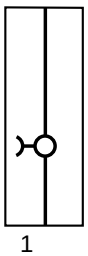
6/57.5/42.5	6/57.5/42.5
6/57/40	6/57/40
10 mm/M 2.5/4.0 x 0.8	10 mm/M 2.5/4.0 x 0.8
400 V/27 A/4 mm^2	400 V/27 A/4 mm^2
6 kV/3	6 kV/3
0.4…0.7	0.4…0.7
1	1
0.5…6	0.5…6
1.5…4	1.5…4
0.5…4	0.5…4
0.5…4	0.5…4
A 3	A 3
(Q 2…10) 27	(Q 2…10) 27

300 V/20 A/22…12 AWG		300 V/20 A/22…12 AWG	
300 V/–/26…10 AWG		300 V/–/26…10 AWG	
⊏⊐	Qty. ⊐⊏ Qty.	⊏⊐	Cat.No. Qty.
025412	50 **127242** 50		**024632** 50
025422	50 StB left	StB left	**024642** 50
025432	50 StB left	StB left	**024652** 50
031032**	50 **127252**** 50	StB Ø 2.0	**024662** 50
025442	50 **128992** 50		**024672** 50

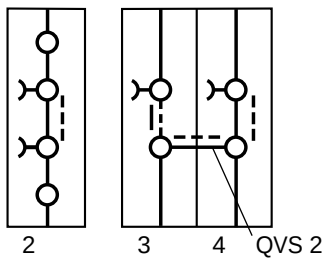
Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
AP (1.5)	**024492**	20	AP (1.5)	**024492**	20
TW (0.5)	**047470**	20	TW (0.5)	**047470**	20
TSch 2	**035366**	100	TSch 2	**035366**	100
QL 2	**015590**	100	QL 2	**015590**	100
QL 3	**015600**	100	QL 3	**015600**	100
QL 4	**015610**	50	QL 4	**015610**	50
QL 10	**033810**	20	QL 10	**033810**	20
VH 8	**026670**	100	VH 8	**026670**	100
BS M 3x15 Cu	**037720**	100	BS M 3x15 Cu	**037720**	100
QVS 2	**131926**	20	QVS 2	**131926**	20
VH 16	**030970**	50	VH 16	**030970**	50
BS M 3 x 22	**131990**	50	BS M 3 x 22	**131990**	50
SSP 4	**131936**	20	SSP 4	**131936**	20
FW 5	**047346**		FW 5	**047346**	
FS 5	**047356**		FS 5	**047356**	

Slide-link disconnect

Types SAKT 1 and SAKT 4
is available in two designs.
Sliding link terminal.
Feed-through terminal.
The combinations of these designs enable the user to carry out various connections. Plug bolts can be arranged in all designs for test plugs.



Terminal 1
SAKT 1 as feed-through terminal with additional plug bolt.

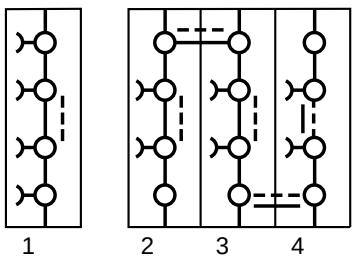


Terminal 2
SAKT 1 as sliding link terminal with 2 plug bolts; slide link closed.

Terminal 3 and 4
Slide link terminal connected by QVS, terminal 3; slide link open.

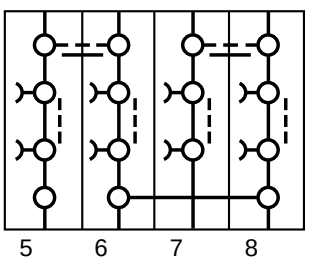
Slide-link disconnect

Types SAKT 2 has on each side of the disconnection, two points for the testing plug or cross-connections. Cross-connections can be made as fixed bridges or as cross-connection links. These cross-connection links are especially important for short-circuiting instrument transformers.



Terminal 1
SAKT 2 disconnect terminal with 4 plug bolts; disconnect position closed.

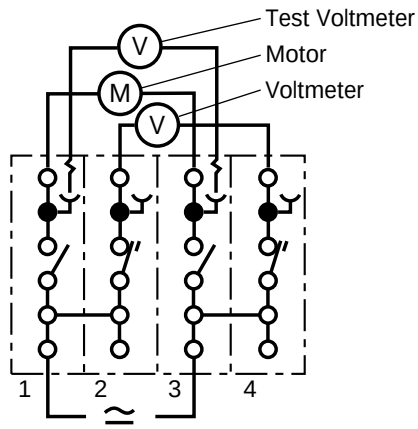
Terminal 2, 3 and 4
SAKT 2 with QVS, terminal 2 and 3 connected, terminal 3 and 4 disconnected. Terminal 4 slide link connection open.

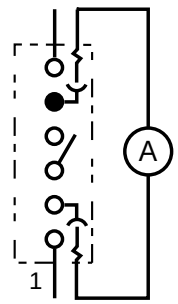


Terminal 5 to 8
SAKT 2 with QVS between terminals 5-6 and 7-8, both disconnected; permanent cross-connection on terminals 6 and 8.

Typical test circuit applications

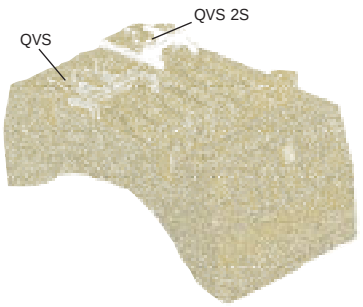
Voltage measurement with permanent meter on supply side and meter plugged in on consumer side. Motor circuit is still disconnected.
4 Terminals SAKT 043792.





Cross-connection accessories

Cross-connection link QCS, 2, 3 and 4 ways to connect adjacent terminals.
In SAKT 1 only to be used on the left hand side.
In SAKT 2 to be used on both sides.
Distance sleeves VH 19 031800 and screws BS 25.5 033470 are required to fit QVS in the individual terminals. The cross-connection links are designed so that the plug bolts for test plugs arranged in the terminals are kept free in each position. The 2-pole design type QVS 2 is arranged also in such a way that operating is possible when the plug bolts are fitted.



Plug bolts with insulation sleeve as protection for test plugs and cross-connection plugs with 4.0mmØ.
Type StB 25
In SAKT 1 to be used for the left hand side.
In SAKT 2 to be used on both sides.
StB 25 black **(027150)**
BS 25 no insulating sleeve **(033470)**

BS (M3 x 25) 029250

BS (M3 x 25.5) 033470

Additional cross-connection methods available for disconnect terminals

Part Designation	Method of Cross-connection	Connects No. of ways	TERMINAL BLOCK DESIGNATION				
			SAKA 10	SAKB 10	SAKC 10	SAKT 1	SAKT 2
QVS	Side	2	—	—	—	QVS2 030730	QVS2 030730
		3	—	—	—	QVS3 032930	QVS3 032930
		4	—	—	—	QVS4 030740	QVS4 030740
Sleeve		—	—	—	—	VH19 031800	VH19 031800
Screw (M3 x25.5)		—	—	—	—	BS 033470	BS 033470
VL	Jumper Link	2	VL2 013590	VL2 013590	VL2 013590	VL2 013590	—
Screw Bolt		—	SB21 014700	—	—	SB21 014700	—
Sleeve		—	—	—	—	VH19 028510	—
Screw (M4 x 6)		—	BS 013630	BS 013630	BS 013630	—	—
Screw (M3 x 25)		—	—	—	—	BS 029250	—
Washer		—	SS 013640	SS 013640	SS 013640	SS 016440	—
Screw Bolt		—	—	—	—	SB11 024270	—
Screw (M3 x 7)		—	—	—	—	BS 019970	—
Side Lock		—	—	—	—	SSP3 053176	SSP3 053176

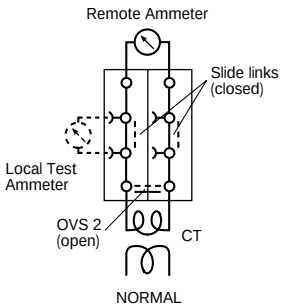
The creepage and clearance dimensions necessary for the nominal voltage of the terminals can be affected by the installation of accessories. This is particularly so for cross-connections of adjacent terminals of different potentials. The following limitations are to be observed.

SAKT 1		**SAKT2**	
for adjacent QL	250V	for adjacent QL	60V
for adjacent QVS	60V	for adjacent QVS	60V
for adjacent StB 25 or StB 16	60V	for adjacent StB 25 or StB 16	60V

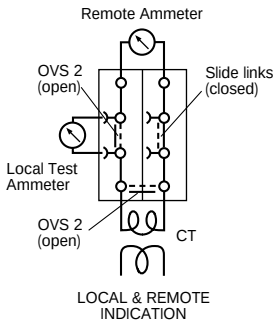
In order to retain the nominal voltage of 300V, Partitions TW or TSch 2 must be inserted. TSch 2 only to be used for SAKT 2. Please refer to the accessories Section.

Practical circuits using SAKT terminals

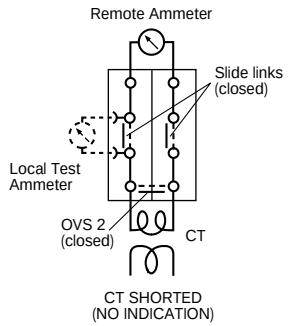
Simple load testing circuit using two SAKT 2 terminals. Application of short circuit through cross-connecting link QVS 2. Test facility using Test Plug.



Circuit Normal — Remote Ammeter in service. Local Ammeter connected but shorted out.

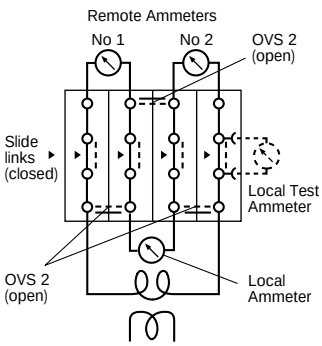


Circuit Normal — Both Remote Ammeter and Local Test Ammeter in service.

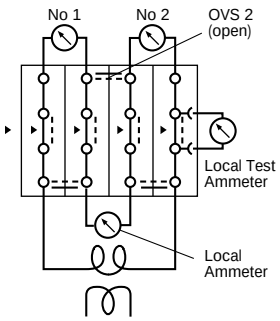


C.T. shorted out by QVS 2. No remote or local indication.

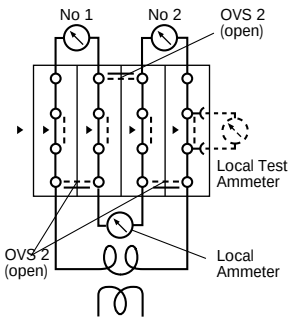
Load testing circuit using various configurations of four SAKT 2 terminals and normal movement of the cross-connecting links. Test facility using Test Plug.



Circuit Normal — Remote No. 1 and 2 Ammeters and Local Ammeter in service, and with Test Ammeter connected but shorted out.

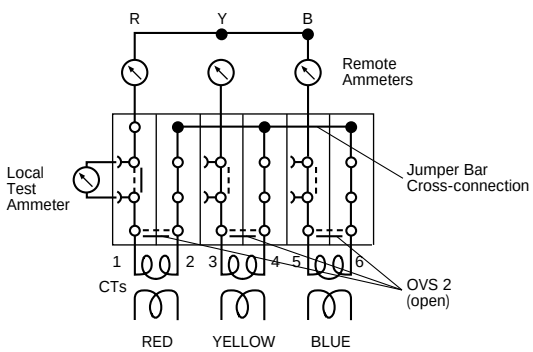


Circuit Normal — All Ammeters in service.



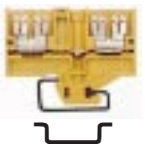
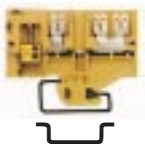
Remote No. 1 and 2 Ammeters in service, but Local Ammeter shorted out as well as Test Ammeter.

Load testing circuit linking six SAKT 2 terminals, with clamping points of alternate terminals and normal movement of the cross-connected. Disconnecting links in terminals 2, 4 and 6 are accessible through barrier. Test facility using Test Plug.



3 Phase Circuit — Remote Ammeters in Service as well as Local Test Ammeter. Closure of QVS 2 links will individually short our C.T.s.

Feed-through terminals with tab connection

	AST 1 AST1/35	AST 3 AST 3/35	AST 4 AST 4/35	AST 5 AST 5/35
				
Dimensions				
Width/length/height (mm) With TS 32 ⊏⎓	6.5/58/53.5	6.5/40/47.5	6.5/40/47.5	6.5/58/53.5
Width/length/height (mm) With TS 35 x 7.5 ⎓⊐	6.5/58/46	6.5/44/40	6.5/44/40	6.5/58/46
Insulation stripping length/clamping screw/blade size			9 mm/M 2.5/3.5 x 0.6	12 mm/M 3/3.5 x 0.6
Rated data				
Rated voltage/current/cross-section	400 V[1])/16 A/2.5/1.0 mm²	400 V[1])/16 A/2.5/1.0 mm²	400 V[1])/16 A/2.5/1.0 mm²	400 V[1])/16 A/2.5/1.0 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm			0.4…0.7	0.5…1.0
Torque setting with DMS2 electric screwdriver			1	2
Clampable conductors				
"e" solid H07V-U mm²			0.5…4	0.5…6
"m" stranded H07V-R mm²			1.5…2.5	1.5…2.5
"f" flexible H07V-K mm²			0.5…2.5	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²			0.5…2.5	0.5…4
Gauge pin to 947-1 Size			A 2	A 4
Contin. current rating of cross-connection 2-pole A	(QL 2…10) 36	(QL 2…10) 36	(QL 2…10) 36	(QL 2…10) 36
Contin. current rating of cross-connection multi-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/13 A/–	300 V/13 A/–	300 V/13 A/22…12 AWG	300 V/13 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/16 A/–	300 V/16 A/–	300 V/16 A/24…12 AWG	300 V/16 A/24…12 AWG

Ordering data	**Version**	⊏⎓	Qty.	⎓⊐	Qty.	⊏⎓	Qty.	⎓⊐	Qty.	⊏⎓	Qty.	⎓⊐	Qty.	⊏⎓	Qty.	⎓⊐	Qty.
Slotted	Melamine	**047822**			50	**044242**	100			**043912**	100			**047922**	50		
Slotted	Blue Melamine	**047827**			50	**044247**	100										
Slotted	Polyamide	**047826**	50	**069960***	50	**023686**	100	**046036**	100	**023726**	100	**046040***	100	**047926**	50	**066490***	50
Unslotted	Melamine	**026632**			50	**029802**	100			**032122**	100			**033452**	50		
Unslotted	Blue Melamine	**026637**			50					**032127**	100			**033457**	50		
Unslotted	Polyamide	**026636**	50	**066480***	50	**023676**	100	**047936**	100	**023716**	100	**047940***	100	**033456**	50	**069970***	50
Block of 10, slotted with marking 1–9	Polyamide							**055366**	10			**053086**	10				

* Wemid material

End plate/partition/small partition (thickness mm)	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Melamine	AP (3.0)	**026642**	20	AP (3.0)	**029812**	20	AP (3.0)	**029812**	20	AP (3.0)	**026642**	20
Blue Melamine	AP (3.0)	**026647**	20									
Polyamide	AP (1.5)	**026646**	20	AP (1.5)	**046056**	20	AP (1.5)	**046056**	20	AP (1.5)	**026646**	20
Polyamide				TW (1.5)	**013016**	20	TW (1.5)	**013016**	20			
For TS 32 HP	TW (0.5)	**047470**	20	TW (1.0)	**029710**	20	TW (1.0)	**029710**	20	TW (1.0)	**047470**	20
For TS 32 HP	TW (2.0)	**060700**	20							TW (2.0)	**060700**	20
Only for Polyamide	TSch 1	**031916**	100	TSch 1	**031916**	100	TSch 1	**031916**	100	TSch 1	**031916**	100
Wemid	AP (1.5)	**026640**	20				AP (1.5)	**046049**	20	AP (1.5)	**026640**	20

AP TW

Cross-connection												
2-pole	Q 2	**033670**	50	Q 2	**033670**	50	Q 2	**033670**	50	Q 2	**033670**	50
3-pole	Q 3	**033680**	50	Q 3	**033680**	50	Q 3	**033680**	50	Q 3	**033680**	50
4-pole	Q 4	**033690**	50	Q 4	**033690**	50	Q 4	**033690**	50	Q 4	**033690**	50
10-pole	Q 10	**036880**	20	Q 10	**036880**	20	Q 10	**036880**	20	Q 10	**036880**	20
25-pole												

Q 3 QL BS

Shock protection L = 300 mm	ADP 4**	**137816**	10	ADP 4**	**137816**	10						
Plug adapter												
2-pole				STA 2.5/2	**016586**	–	STA 2.5/2	**016586**	–			
3-pole				STA 2.5/3	**016596**	–	STA 2.5/3	**016596**	–			
4-pole				STA 2.5/4	**019036**	–	STA 2.5/4	**019036**	–			
Snaps into AST 3 and 5-pole				STA 2.5/5	**016606**	–	STA 2.5/5	**016606**	–			
4 Polyamide versions only 8-pole				STA 2.5/8	**016616**	–	STA 2.5/8	**016616**	–			
Test plug/socket												
Plug/test socket usable without QL for TS 32	StB 14	**016860**	50	StB 14	**016860**	50	StB 14	**016860**	50	StB 14	**016860**	50
Plug/test socket usable without QL for TS 35	StB 14	**016860**	50	StB 8.5	**028060**	50	StB 8.5	**028060**	50	StB 14	**016860**	50
PS StB	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20
Insulating sleeves												
	IH 2.8	**038606**	100	IH 2.8	**038606**	100	IH 2.8	**038606**	100	IH 2.8	**038606**	100
	IH 6.3	**038626**	100	IH 6.3	**038626**	100	IH 6.3	**038626**	100	IH 6.3	**038626**	100
Marking tags **Print**												
Consecutive horizontal	FW 6.5	**046816**	–	FW 6	**046866**	–	FW 6	**046866**	–	FW 6.5	**046816**	–
Consecutive vertical												

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

[1]) With insulation sleeves

** Use with Polyamide versions only

SAK 4 S
SAK 4 S/35

6.5/40/51.5	
6.5/40/49.5	
12 mm/M 3/3.5 x 0.6	
500 V/16 A/2.5/1.0 mm²	
6 kV/3	
0.5…1.0	
2	
0.33…6	
1.5…4	
0.5…4	
0.5…4	
A 4	
(QL 2…10) 36	

300 V/13 A/26…12 AWG
300 V/13 A/26…12 AWG

⊏⊐	Qty.	⊐⊏	Qty.
040122	100		
040126	100	**063030***	100
047952	100		

* Wemid material

Type	Cat.No.	Qty.
AP (1.5)	**011792**	20
AP (1.5)	**011796**	20
AP (1.5)	**013016**	20
TW (1.0)	**029710**	20
AP (1.5)	**010510**	20
QL 2	**013060**	100
QL 3	**013070**	100
QL 4	**013080**	50
QL 10	**033820**	20
BS M 3x4.5	**159321**	100
IH 2.8	**038606**	100
IH 6.3	**038626**	100
FW 6.5	**046816**	–

SAK 4 SS
SAK 4 SS/35

6.5/40/51.5	
6.5/40/49.5	
500 V/16 A/2.5/1.0 mm²	
6 kV/3	
(QL 2…10) 36	

300 V/13 A/18…14 AWG
300 V/13 A/18…14 AWG

⊏⊐	Qty.	⊐⊏	Qty.
047962	100		
047967	100		
047966	100	**063040***	100
035292	100		
035297	100		

Type	Cat.No.	Qty.
AP (1.5)	**011792**	20
AP (1.5)	**011797**	20
AP (1.5)	**011796**	20
TW (1.5)	**013016**	20
TW (1.0)	**029710**	20
AP (1.5)	**010510**	20
QL 2	**013060**	100
QL 3	**013070**	100
QL 4	**013080**	50
QL 10	**033820**	20
BS M 3x4.5	**159321**	100
IH 2.8	**038606**	100
IH 6.3	**038626**	100
FW 6.5	**046816**	–

SAKR F

6.5/42/40.5; 54.5	
–	
8 mm/M 3/3.5 x 0.6	
250 V/10 A/4/1.0 mm²	
6 kV/3	
0.5…1.0	
1	
0.5…4	
1.5…4	
0.5…4	
0.5…2.5	
A 4	
(QB 2…25) 10	

300 V/15 A/26…10 AWG
300 V/15 A/26…10 AWG

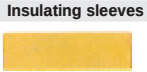
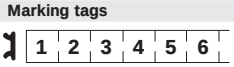
⊏⊐	Qty.	⊐⊏	Qty.
066366	100	**051876**	40
With 1 StB 6			

Type	Cat.No.	Qty.
AP (1.5)	**021136**	20
TW (1.0)	**029710**	20
QB 2*	**048270**	100
QB 3*	**048280**	50
QB 4*	**048290**	50
QB 25 bare*	**013400**	20
PS 2.3	**018040**	20
IH 2.8	**038606**	200
FW 6.5	**046816**	–

[1]) With insulating sleeves

* When using QB, the conductor size for the screw connection is reduced to 2.5 mm²

Feed-through terminals with tab connection

	DK 4 SS/35	DK 4 SS/35 only 2.8	DK 4 S DK 4 S/35	DK 4 S DK 4 S/35 only 2.8
Dimensions				
Width/length/height (mm) With TS 32 ⊏⎓	–	–	6/54/59.5	6/54/59.5
Width/length/height (mm) With TS 35 x 7.5 ⊐⎓	6/54/60.5	6/54/60.5	6/54/60.5	6/54/60.5
Insulation stripping length/clamping screw/blade size			9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6
Rated data				
Rated voltage/current/cross-section	800 V[1])/2 x 16 A/2.5/1.0 mm²	250 V[1])/2x10/1.0 mm²	400 V[1])/2 x 10/4/1.0 mm²	400 V[1])/2 x 10/4/2.5/1.0 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	8 kV/3	4 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm			0.5…1.0	0.5…1.0
Torque setting with DMS2 electric screwdriver			2	2
Clampable conductors				
"e" solid H07V-U mm²			0.5…4	0.5…4
"m" stranded H07V-R mm²			1.5…4	1.5…4
"f" flexible H07V-K mm²			0.5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²			0.5…2.5	0.5…2.5
Gauge pin to 947-1 Size			A 4	A 4
Contin. current rating of cross-connection 2-pole A	(QL 2…10) 20	(QL 2…10) 20	(QL 2…10) 20	(QL 2…10) 20
Contin. current rating of cross-connection multi-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG
Ordering data Version	⊏⎓ Qty. ⊐⎓ Qty.	⊏⎓ Qty. ⊐⎓ Qty.	⊏⎓ Qty. ⊐⎓ Qty.	⊏⎓ Qty. ⊐⎓ Qty.
Polyamide	**021716** 100	**029706** 100	**063126** 100 **068666** 100	**063116** 100 **068656** 100
Wemid	**021710** 100	**029700** 100		
End plate (thickness mm)	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
Polyamide	AP (1.5) **063136** 20	AP (1.5) **063136** 20	AP (1.5) **063136** 20	AP (1.5) **063136** 20
Partition				
For TS 32 HP			TW HP (2.0) **060700** 20	TW HP (2.0) **060700** 20
Small partition				
TSch 6	TSch 6 **019026** 100	TSch 6 **019026** 100	TSch 6 **019026** 100	TSch 6 **019026** 100
Cross-connection				
Q 3 2-pole	Q 2 **033640** 50	Q 2 **033640** 50	Q 2 **033640** 50	Q 2 **033640** 50
3-pole	Q 3 **033650** 50	Q 3 **033650** 50	Q 3 **033650** 50	Q 3 **033650** 50
4-pole	Q 4 **033660** 50	Q 4 **033660** 50	Q 4 **033660** 50	Q 4 **033660** 50
10-pole	Q 10 **036860** 20	Q 10 **036860** 20	Q 10 **036860** 20	Q 10 **036860** 20
Test plug/socket				
Test/socket plug usable without QL	StB 8.5 **021570** 50	StB 8.5 **021570** 50	StB 8.5 **021570** 50	StB 8.5 **021570** 50
Test/socket plug usable with QL				
PS StB	PS 2.3 **018040** 20	PS 2.3 **018040** 20	PS 2.3 **018040** 20	
Insulating sleeves				
	IH 2.8 **038606** 100	IH 2.8 **038606** 100	IH 2.8 **038606** 100	PS 2.3 **018040** 20
	IH 6.3 **038626** 100		IH 6.3 **038626** 100	IH 2.8 **038606** 100
Marking tags **Print**				
 Consecutive horizontal	FW 6 **046866** –	FW 6 **046866** –	FW 6 **046866** –	FW 6 **046866** –
Consecutive vertical				

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

[1]) With insulating sleeves

Feed-through terminals for wrap connection DIN 41 611, Part 2 and for clamping connection DIN 41 611, Part 4

	SAK 2.5 T SAK 2.5 T/35 Pin 1 x 1	SAK 2.5 T SAK 2.5 T/35 Pin 0.8 x 1.6	SAK 2.5 T SAK 2.5 T/35 Pin 0.8 x 2.4
Dimensions			
Width/length/height (mm) With TS 32 ⊏⊐	6/36.5/47.5/67	6/36.5/47.5/62	6/36.5/47.5/69
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	6/45/41/62	6/36.5/40/57	6/50/64
Insulation stripping length/clamping screw/blade size	12 mm/M 2.5/3.5 x 0.6	12 mm/M 2.5/3.5 x 0.6	12 mm/M 2.5/3.5 x 0.6
Rated data			
Rated voltage/current/cross-section	250 V/8 A/2.5 mm²	250 V/10 A/2.5 mm²	250 V/10 A/2.5 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	4 kV/3	4 kV/3	4 kV/3
Further technical data			
Tightening torque range Nm	0.4…0.7	0.4…0.7	0.4…0.7
Torque setting with DMS2 electric screwdriver	1	1	1
Clampable conductors			
"e" solid H07V-U mm²	0.5…6	0.5…6	0.5…6
"m" stranded H07V-R mm²	1.5…4	1.5…4	1.5…4
"f" flexible H07V-K mm²	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to 947-1 Size	A 3	A 3	A 3
Contin. current rating of cross-connection 2-pole A	(Q 2…10) 27	(Q 2…10) 27	(Q 2…10) 27
Contin. current rating of cross-connection multi-pole A			
UL/CSA rated data			
Voltage/current/conductor size UL			
Voltage/current/conductor size CSA	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG

Ordering data

Horizontal assembly

Vertical assembly

Pin	Version	⊏⊐	Qty.	⊐⊏	Qty.
Right	Melamine	**010852**	100		
Horizontal left	Melamine			**051842**	100
Horizontal right	Melamine			**048592**	100
Vertical left	Melamine			**047882**	100
Vertical right	Melamine			**069362**	100
2x vertical	Melamine				
Right	Polyamide	**010856**	100	**051406**	1005

		⊏⊐	Qty.	⊐⊏	Qty.
	Melamine	**153842**	100		
	Melamine	**153462**	100		
	Melamine			**134052**	100
	Melamine				
Vertical left	Polyamide	**139896**	100		

		⊏⊐	Qty.	⊐⊏	Qty.
	Melamine	**068702**	100		
	Melamine	**037102**	100		
	Melamine			**134052**	100
	Melamine	**048502**	100		
Vertical left	Polyamide	**068856**	100		

End plate (thickness mm)

	Type	Cat.No.	Qty.
Melamine	AP (1.5)	**027952**	20
Polyamide	AP (1.5)	**027956**	20

Partition (thickness mm)

	Type	Cat.No.	Qty.
Melamine	TW (2.5)	**030282**	20
Polyamide	TW (1.5)	**030286**	20
For TS 32 HP	TW (0.5)	**019710**	20
For TS 32 HP	TW (2.0)	**060700**	20

Small partition

TSch 1 **031916** 100

Cross-connection

	Type	Cat.No.	Qty.
2-pole	Q 2	**033700**	50
3-pole	Q 3	**033710**	50
4-pole	Q 4	**033720**	50
10-pole	Q 10	**036870**	20

Covers (for cross-connections)

Shock protection L = 300 mm ADP 4* **137816** 10

Test plug/socket

Plug/test socket usable without QL StB 8.5 (Ø 2.3) **028060** 50

Plug/test socket usable with QL

PS

StB

PS 2.3 **018040** 20

Marking tags **Print**

Consecutive horizontal FW 6 **046866** –

Consecutive vertical

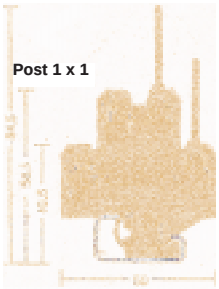
Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Use with Polyamide versions only.

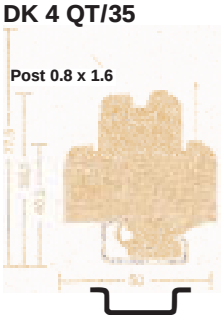
** Not for 2x vertical type

Feed-through terminals
Disconnect terminals
for wrap connection DIN 41611, Part 2 and for spring clip connection DIN 41 611, Part 4

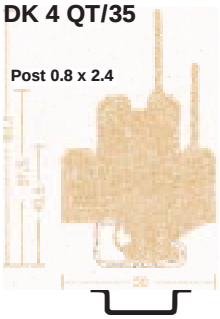
DK 4 T



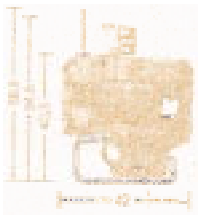
DK 4 T
DK 4 QT/35



DK 4 T
DK 4 QT/35



SAKRT



		DK 4 T	DK 4 T / DK 4 QT/35	DK 4 T / DK 4 QT/35	SAKRT
Dimensions					
Width/length/height (mm)	With TS 32 ⊏⊐	6/50/58.5/75.5	6/50/60.5/77.5	6/50/67.5/84.5	6/42/40.5/54.5
Width/length/height (mm)	With TS 35 x 7.5 ⊐⌐	–	6/54/60.5/89	6/54/60.5/89	–
Insulation stripping length/clamping screw/blade size		9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6	8 mm/M 3/3.5 x 0.6
Rated data					
Rated voltage/current/cross-section		250 V/8 A/4 mm²	250 V/10 A/4 mm²	250 V/10 A/4 mm²	250 V/6/8 A/4 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity		4 kV/3	4 kV/3	4 kV/3	4 kV/3
Further technical data					
Tightening torque range	Nm	0.5…1.0	0.5…1.0	0.5…1.0	0.5…1.0
Tightening torque with DMS2 screwdriver		1	1	1	2
Clampable conductors					
"e" solid H07V-U	mm²	0.5…4	0.5…4	0.5…4	0.5…6
"m" stranded H07V-R	mm²	1.5…4	1.5…4	1.5…4	1.5…4
"f" flexible H07V-K	mm²	0.5…4	0.5…4	0.5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to 947-1	Size	A4	A4/A3***	A4/A3***	A4
Cont. current of cross-connection 2-pole	A	(Q 2…10) 20	(Q 2…10) 20	(Q 2…10) 20	(QB 2…10) 10
Cont. current of cross-connection multi-pole	A				
UL/CSA rated data					
Voltage/current/conductor size	UL	–	–	–	–
Voltage/current/conductor size	CSA	–	–	–	–

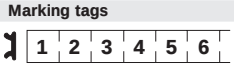
Ordering data	Pin	Type	DK 4 T ⊏⊐ Cat.No.	Qty.	DK 4 T / DK 4 QT/35 ⊏⊐ Cat.No.	Qty.	⊐⌐ Cat.No.	Qty.	DK 4 T / DK 4 QT/35 ⊏⊐ Cat.No.	Qty.	⊐⌐ Cat.No.	Qty.	SAKRT ⊏⊐ Cat.No.	Qty.
	right	Polyamide	**053656**	50										
	left	Polyamide											Pin 1 x 1	**058746** 100
	Horizontal right	Polyamide			**037046**	50								
	Horizontal right	blue Polyamide			**037048**	50								
	Vertical right	Polyamide			**037036**				**052776**	50			Pin 0.8 x 2.4	**054506** 100
	Vertical right	blue Polyamide			**037038**									
	Vertical	Polyamide			**068586**	50								
	Vertical left	Polyamide											Pin 0.8 x 1.6	**046936** 100
DK 4 QT bridgeable on both levels	right	Polyamide	**139846**	50										
	Horizontal right				**139856**	50	**140186**	50	**139876**	50	**140196**	50		
	Vertical right				**139866**	50	**133356**	50	**139886**	50	**138266**	50		

End plate/partition (thickness mm)		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	Polyamide	AP (1.5)	**035926**	20	AP (1.5)	**035926**	20	AP (1.5)	**035926**	20	AP (1.5)	**021136**	20
	Polyamide				AP (1.5)	**139716**	20	AP (1.5)	**139716**	20			
	For DK 4 QT blue Polyamide	AP (1.5)	**035928**	20	AP (1.5)	**035928**	20						
		TW (2.0)	**060700**	20	TW (2.0)	**060700**	20	TW (2.0)	**060700**	20	TW (2.0)	**060700**	20

Small partition													
TSch 4 Tsch 6	TSch 4	**036336**	100	TSch 4	**036336**	100	TSch 4	**036336**	100			

Cross-connection/covers													
Q 3 QB 4	2-pole	Q 2	**033640**	50	Q 2	**033640**	50	Q 2	**033640**	50			
	3-pole	Q 3	**033650**	50	Q 3	**033650**	50	Q 3	**033650**	50			
	4-pole	Q 4	**033660**	50	Q 4	**033660**	50	Q 4	**033660**	50			
	10-pole	Q 10	**036860**	20	Q 10	**036860**	20	Q 10	**036860**	20			
		QB 2*	**048270**	100	QB 2*	**048270**	100	QB 2*	**048270**	100	QB 2*	**048270**	100
		QB 3*	**048280**	50	QB 3*	**048280**	50	QB 3*	**048280**	50	QB 3*	**048280**	50
		QB 4*	**048290**	50	QB 4*	**048290**	50	QB 4*	**048290**	50	QB 4*	**048290**	50
	25-pole										QB 25 bare*	**013400**	20
ADP 4	75-pole	QB 75 bare*	**052640**	10	QB 75 bare*	**052640**	10	QB 75 bare*	**052640**	10			
	Insulation profile	IP	**052670**	–	IP	**052670**	–	IP	**052670**	–			
	Shock protection L = 300 mm	ADP 4**	**137816**	10	ADP 4**	**137816**	10	ADP 4**	**137816**	10			

Test plug/socket									
Plug/test socket usable without QL	StB 8.5 (ø 2.3)	**021570**	50	StB 8.5 (ø 2.3)	**021570**	50	StB 8.5 (ø 2.3)	**021570**	50
Plug/test socket usable with QL									
PS StB	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20

Marking tags	**Print**								
	Consecutive horizontal	dekafix 6	**046866**	–	dekafix 6	**046866**	–	dekafix 6	**046866**	–
	Consecutive vertical								

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

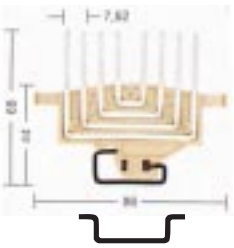
* When using QB, the conductor size for the screw connection is reduced to max. 2.5 mm²

** Use with Polyamide versions only

*** At DK4 QT

Rack mounted interface system
Type: AVR 4/10

AVR 4/10
AVR 4/10/35



Design

Block* of 10 plates fitted with pins and an empty plate which serves as the end plate. The plates can be mounted as desired for larger numbers of poles. The AVR blocks shown here are coded from 1 to 9. The 10th plate is free for ”decade” markings.

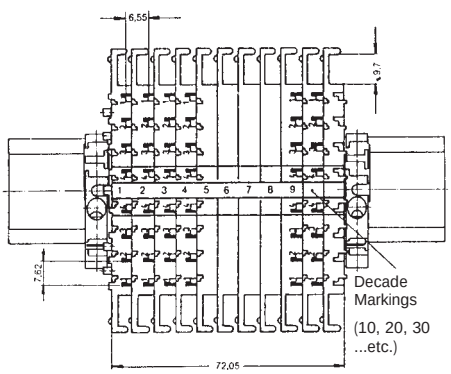
* Block length = 72,05 mm

Rated voltage to DIN 0110
Insulation group C

Pin dimensions	Grid dim. in mm	
mm	6,55	7,62
0.6 x 0.6	380 V AC	380 V AC
1.0 x 1.0	380 V AC	380 V AC
0.8 x 1.6	380 V AC	380 V AC
0.8 x 2.4	250 V AC	380 V AC

Applications

Interface systems for use in 19” cabinets whose doors can be opened outwards only, for example. Primarily decentralised arrangement allows operation from the front.
The individual conductors with 8 colour codes from multi-conductor cables can be systematically connected to 8 pins respectively. The pins are matched via a beige/yellow colour code. The blocks are designated by coordinates. Markings 1 to 9 and the decade marking are in the mounting direction. Markings 1 to 4 per level (plate), see diagram.
Side tabs assign the individual conductors to the respective level.

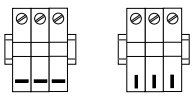


Dimensions		
Width/length/height (mm)	With TS 32 ⊏⊐	
Width/length/height (mm)	With TS 35 x 7,5 ⊐⊏	6.55/44/68/86
Insulation stripping length/clamping screw/blade size		6.55/39/60/86
Rated data		
Rated voltage/current/cross-section		250 V/4/6 A
Rated impulse voltage VDE 0110/1.89/pollution severity		4 kV/3
Further technical data		
Tightening torque range	Nm	
Tightening torque with DMS2 electric screwdriver		
Clampable conductors		
“e” solid H07V-U	mm^2	
“m” stranded H07V-R	mm^2	
“f” flexible H07V-K	mm^2	
“f” flexible H07V-K and AEH DIN 46 228/1	mm^2	
Gauge pin to 947-1	Size	
Cont. current of the terminals at max. conductor cross-section		
Cont. current of cross-connection 2-pole	A	
Cont. current of cross-connection multi-pole	A	
UL/CSA rated data		
Voltage/current/conductor size	UL	–
Voltage/current/conductor size	CSA	–

Ordering data/pin versions (internal)

		⊏⊐	Qty.	⊐⊏	Qty.
vertical	0.8 x 1.6	**046376**	8	**137926**	8
horizontal	0.8 x 1.6	**046366**	8		
vertical	0.8 x 2.4	**046396**	8	**134676**	8
horizontal	0.8 x 2.4	**046386**	8	**121686**	8
0.8 x 2.4 on 1 x 1		**049796**	8	**121706**	**8**

Additional versions available on request.



Horizontal assembly

Vertical assembly

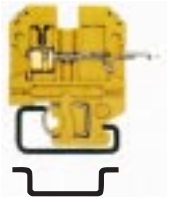
Plug adapter

Type	Cat.No.	Qty.
DSA 1	**057606**	1

Marking tags

dekafix 5 FW 10, 20, 30, 40 etc.	**013266**	1

Feed-through terminals
Disconnect terminals
With solder connection

	SAK 2.5/M.LS	SAK 2.5 L SAK 2.5 L/35	SAK 2.5 LL SAK 2.5 LL/35	SAKR L SAKR L/35
	With screen connection			
				
Dimensions				
Width/length/height (mm) With TS 32 ⊏⊐	6/60/46.5	6/44.5/46.5	6/55/46.5	6.5/50/40.5/54.5
Width/length/height (mm) With TS 35 x 7.5 ⊐⊏	–	6/44.5/40	6/55/40	6.5/50/38/52
Insulation stripping length/clamping screw/blade size	12 mm/M 2.5/3.5 x 0.6	12 mm/M 2.5/3.5 x 0.6		8 mm/M 3/3.5 x 0.6
Rated data				
Rated voltage/current/cross-section	250 V/20 A/2.5/1.5 mm²	250 V/20 A/2.5/1.5 mm²	250 V/20 A/1.5 mm²	250 V/10 A/4/1.5 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	4 kV/3	4 kV/3	4 kV/3	4 kV/3
Further technical data				
Tightening torque range Nm	0.4…0.7	0.4…0.7		0.5…1.0
Tightening torque with DMS2 electric screwdriver	1	1		2/1
Clampable conductors				
"e" solid H07V-U mm²	0.5…6	0.5…6		0.5…4
"m" stranded H07V-R mm²	1.5…4	1.5…4		01.5…4
"f" flexible H07V-K mm²	0.5…4	0.5…4		.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…2.5	0.5…2.5		0.5…2.5
Gauge pin to 947-1 Size	A 3	A 3		A 4
Cont. current of cross-connection 2-pole A	(Q 2…10) 27	(Q 2…10) 27	(Q 2…10) 27	(QB 2…25) 10
Cont. current of cross-connection multi-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/10 A/22…12 AWG	–	–	300 V/10 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/10 A/26…12 AWG	300 V/10 A/22…12 AWG

Ordering data

Type	⊏⊐ Cat.No.	Qty.	⊏⊐ Cat.No.	Qty.	⊐⊏ Cat.No.	Qty.	⊏⊐ Cat.No.	Qty.	⊐⊏ Cat.No.	Qty.	⊏⊐ Cat.No.	Qty.	⊐⊏ Cat.No.	Qty.
Melamine	**030912**	100	**035142**	100			**032362**	100						
Blue Melamine	**030917**	100	**035147**	100			**032367**	100						
Stamin														
Polyamide			**035146**	100	**049506**	100	**032366**	100	**056726**	100	**041236**	100	**018556**	100
Blue Polyamide					**049508**	100					**041238**	100		
Melamine			**054412***	100										
Stamin			**054413***	100										
Polyamide			**054416***	100							**041246***	100		
Blue Polyamide											**041248***	100		

End plate/partition (thickness mm)

	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
For TS 32 Melamine	AP (1.5)	**030922**	20	AP (1.5)	**030922**	20	AP (1.5)	**030922**	20			
For TS 32 blue Melamine	AP (1.5)	**030927**	20	AP (1.5)	**030927**	20	AP (1.5)	**030927**	20			
For TS 32 Polyamide				AP (1.5)	**027956**	20	AP (1.5)	**027956**	20	AP (1.5)	**021136**[1]	20
For TS 35 Polyamide				AP (1.5)	**046056**	20	AP (1.5)	**046056**	20			
Blue Polyamide										AP (1.5)	**021138**	20
For TS 35 blue Polyamide				AP (1.5)	**046058**	–						
Polyamide	TW (1.5)	**030286**	20	TW (1.5)	**030286**	20	TW (1.5)	**030286**	20			
For TS 32 HP	TW (1.0)	**029710**	20	TW (1.0)	**029710**	20	TW (1.0)	**029710**	20			
For TS 32 HP	TW (2.0)	**060700**	20	TW (2.0)	**060700**	20	TW (2.0)	**060702**	20	TW (2.0)	**060700**	20
Small partition												
	TSch 1	**031916**	100	TSch 1	**031916**	100	TSch 1	**031916**	100			
Cross-connection												
2-pole	Q 2	**033700**	50	Q 2	**033700**	50	Q 2	**033700**	50	QB 2**	**048270**	100
3-pole	Q 3	**033710**	50	Q 3	**033710**	50	Q 3	**033710**	50	QB 3**	**048280**	50
4-pole	Q 4	**033720**	50	Q 4	**033720**	50	Q 4	**033720**	50	QB 4**	**048290**	50
10-pole	Q 10	**036870**	20	Q 10	**036870**	20	Q 10	**036870**	20			
QL QB 25-pole										QB 25 bare**	**013400**	20
Test plug/socket												
Plug/test socket usable without QL				StB 8.5 (ø 2.3)	**028060**	50	StB 8.5 (ø 2.3)	**028060**	50			
Plug/test socket usable with Qr				StB 29.5 (ø 4)	**013340**	50	StB 29.5 (ø 4)	**013340**	50			
				PS 2.3	**018040**	20	PS 2.3	**018040**	100	PS 2.3	**018040**	100
PS StB				PS 4	**029960**	20	PS 4	**029960**	20			
Cover												
	AD 4	**030340**	50	AD 4	**030340**	50	AD 4	**030340**	50			
	BSK M 3 x 22	**012890**	100	BSK M 3 x 22	**012890**	100	BSK M 3 x 22	**012890**	100			
Shock protection L = 300 mm				ADP 4***	**137816**	10	ADP 4***	**137816**	10			
Marking tags **Print**												
Consecutive horizontal	FW 6	**046866**		FW 6	**046866**		FW 6	**046866**		FW 6.5	**046816**	
Consecutive vertical	FS 6	**046876**		FS 6	**046876**		FS 6	**046876**		FS 6.5	**046826**	

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* Solder lug left
*** Use with Polyamide versions only
[1]) For TS 32 and TS 35
** When using QB, the rated conductor size for the screw connection reduces to max. 2.5 mm²

SAKR L

With 1 x StB

SAKR L

With 2 StB 6

SAKR LL

SAKR LL

With 2 StB 6

TAL

2 solder connections

TAL

4 solder connections

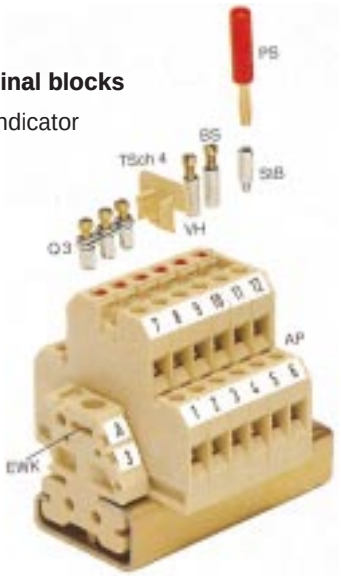
6.5/50/40.5/54.5	6.5/50/40.5/54.5	6.5/58/40.5/54.5	6.5/58/40.5/54.5	4/48/36/50	4/54/36/50
–	–	–	–		
8 mm/M 3/3.5 x 0.6	8 mm/M 3/3.5 x 0.6		–/–/3.5 x 0.6		
250 V/10 A/4/1.5 mm²	250 V/10 A/4/1.5 mm²	250 V/10 A/1.5 mm²	250 V/10 A/1.5 mm²	63 V/10 A/1.5 mm²	63 V/10 A/1.5 mm²
4 kV/3	4 kV/3	4 kV/3	4 kV/3	1.5 kV/3	1.5 kV/3
0.5…1.0	0.5…1.0				
2/1	1				
0.5…4	0.5…4				
1.5…4	1.5…4				
0.5…4	0.5…4				
0.5…2.5	0.5…2.5				
A 4	A 4				
(QB 2…25) 10	(QB 2…25) 10				
–	–	–	–	–	–
300 V/10 A/22…12 AWG	–	300 V/10 A/22…12 AWG	300 V/10 A/22…12 AWG	–	–

⊏⊐	Qty.	⊏⊐	Qty.	⊏⊐	Qty.	⊏⊐	Qty.	⊏⊐	Qty.	⊏⊐	Qty.
		051812*	100			**029422**	100				
041256	100	**051816***	100	**046446**	100	**029426**	100	**021206**	100	**030496**	100
041266*	100	**057266**	100								

Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
			AP (1.5)	**021132**	20	AP (1.5)	**021132**	20	AP (1.5)	**021132**	20						
AP (1.5)	**021136**	20	AP (1.5)	**021136**	20	AP (1.5)	**021136**	20	AP (1.5)	**021136**	20	AP (1.5)	**021226**	20	AP (1.5)	**021226**	20
AP (1.5)	**021138**	20	AP (1.5)	**021138**	20	AP (1.5)	**021138**	20	AP (1.5)	**021138**	20						
			TW (0.5)	**047470**	20	TW (0.5)	**047470**	20	TW (0.5)	**047470**	20	TW (0.5)	**047470**	20	TW (0.5)	**047470**	20
TW (2.0)	**060700**	20	TW (2.0)	**060700**	20	TW (2.0)	**060700**	20	TW (2.0)	**060700**	20	TW (1.0)	**029710**	20	TW (2.0)	**060700**	20
QB 2**	**048270**	100	QB 2**	**048270**	100												
QB 3**	**048280**	50	QB 3**	**048280**	50												
QB 4**	**048290**	50	QB 4**	**048290**	50												
QB 25 bare**	**013400**	20	QB 25 bare**	**013400**	20												
PS 2.3	**018040**	20	PS 2.3	**018040**	20				PS 2.3	**018040**	20						
FW 6.5	**046816**		FW 6.5	**046816**		FW 6.5	**046816**		FW 6.5	**046816**		On request			On request		
FS 6.5	**046826**		FS 6.5	**046826**		FS 6.5	**046826**		FS 6.5	**046826**		On request			On request		

Terminal blocks

with indicator



DK 4 LD
WDK 2.5 LD

Direct **voltage** indicator

DK 4 LD
WDK 2.5 LD

Direct **voltage** indicator

Dimensions DK 4/WDK 2.5								
Length	mm	50/69				50/69		
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63				56.5/63		
Terminal width (+ assembly tolerance 0.2)	mm	6/5				6/5		
Insulation stripping length	mm	9/10				9/10		
Connection data								
Screw connection, flexible	DK 4	0.5…4 mm^2				0.5…4 mm^2		
Screw connection, flexible	WDK 2.5	0.5…2.5 mm^2				0.5…2.5 mm^2		
Conductor cross-section	DK 4	AWG 22…12				AWG 22…12		
Conductor cross-section	WDK 2.5	AWG 26…12				AWG 26…12		
VDE rated data								
Current of through-busbar		10 A				10 A		
Cross-section	DK 4	4 mm^2				4 mm^2		
Cross-section	WDK 2.5	2.5 mm^2				2.5 mm^2		
LED current		< 5 mA				< 5 mA		
Voltage								
		6 V–	24 V–	24 V–	60 V–	6 V–	24 V–	24 V–	60 V–
Indicator (other versions on request)	**LED**								
		red	red	green	red	red	red	green	red

Ordering data									
Type		DK 4 LD	DK 4 LD	DK 4 LD	DK 4 LD	DK 4 LD	DK 4 LD	DK 4 LD	DK 4 LD
Cat.No.	for TS 32 ⊏⎽⊐	**058286**	**049536**	**068636**	**064336**	**058296**	**047446**	**064656**	**063966**
Type		DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35
Cat.No.	for TS 35 ⊓⎽⊐	**039536**	**053906**	**039546**	**039556**	**039566**	**053916**	**039576**	**039586**
Type			WDK 2.5 LD	WDK 2.5 LD			WDK 2.5 LD	WDK 2.5 LD	
Cat.No.	for TS 35 ⊓⎽⊐		**802363**	**801004**			**102360**	**802361**	

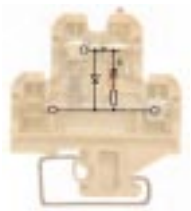
Accessories DK 4		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Mounting rail (2 m long)	**TS 32**	TS 32	**012280**	–	TS 32	**012280**	–
	TS 35	TS 35	**038340**	–	TS 35	**038340**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**020616**	50	EWK 1	**020616**	50
	for TS 35 **EW 35** (8.5)	EW 35	**038356**	50	EW 35	**038356**	50
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**035926**	20	AP PA	**035926**	20
Small partition	**TSch 4**	TSch4	**036336**	100	TSch4	**036336**	100
Socket for test plug		StB 8.5	**021570**	50	StB 8.5	**021570**	50
Test plug (pin diameter ø 2.3 mm)		PS	**018040**	20	PS	**018040**	20
Cross-connector (preassembled)	2-pole	Q 2	**033640**	50	Q 2	**033640**	50
	3-pole	Q 3	**033650**	50	Q 3	**033650**	50
	4-pole	Q 4	**033660**	50	Q 4	**033660**	50
	10-pole	Q 10	**036860**	20	Q 10	**036860**	20
Switchable cross-connection bracket		VL 2	**044670**	50	VL 2	**044670**	50
Connection sleeve		VH 10	**044660**	100	VH 10	**044660**	100
Fixing screw		BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100
Cross-connection bridge		QB 2[2])	**048270**	100	QB 2[2])	**048270**	100
		QB 3[2])	**048280**	50	QB 3[2])	**048280**	50
		QB 4[2])	**048290**	50	QB 4[2])	**048290**	50
		QB 75 bare	**052640**	10	QB 75 bare	**052640**	10
		Insulation profile	**052670**	–	Insulation profile	**052670**	–

[1]) Accessories for WDK 2.5

[2]) When using QB conductor connection, max. 2.5 mm^2

DK 4 LD

Direct **voltage** indicator



50	
56.5	
6	
9	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
–	
10 A	
4 mm²	
–	
< 5 mA	
24 V–	24 V–
red	green

DK 4 LD	DK 4 LD	
021016	**021036**	
DK 4 LD/35	DK 4 LD/35	
021026	**021046**	
	WDK 2.5 LD	
	816143	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	50
AP PA	**035926**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 LD

Direct **voltage** indicator

50	
56.5	
6	
9	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
–	
10 A	
4 mm²	
–	
< 5 mA	
24 V–	24 V–
red	green

DK 4 LD	DK 4 LD	
020976	**020996**	
DK 4 LD/35	DK 4 LD/35	
020986	**021006**	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	50
AP PA	**035926**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 LD
WDK 2.5 LD

Alternating **voltage** indicator

50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
10 A	
4 mm²	
2.5 mm²	
< 5 mA	
24 V~	48 V~	115 V~	230 V~
red	red	red	red

DK 4 LD	DK 4 LD	DK 4 LD	DK 4 LD
049546	**063286**	**058656**	**111146**
DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35
039596	**039606**	**039616**	**111156**
WDK 2.5 LD		WDK 2.5 LD	WDK 2.5 LD
801905		**800632**	**801314**

Type	Cat. No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	50
AP PA	**035926**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 LD
WDK 2.5 GL

Alternating **voltage** indicator

50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
10 A	
4 mm²	
2.5 mm²	
< 5 mA	
115 V~	230 V~
Neon lamp	

DK 4GL	DK 4 GL	
056956	**050956**	
DK 4 GL/35	DK 4 GL/35	
039626	**066316**	
	WDK 2.5 GL	
	801384	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	50
AP Polyamide	**035926**	20
TSch 4	**036336**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 Q GL

Alternating **voltage** indicator

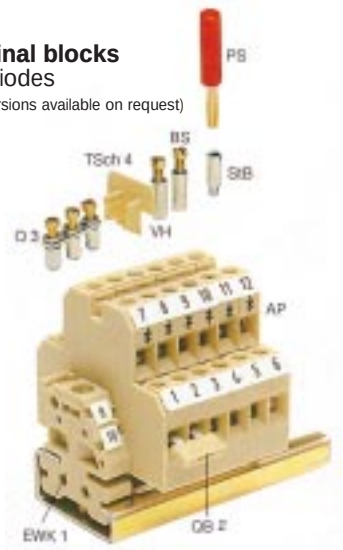
50	
56.5	
6	
9	
0.5…4 mm²	
0.5…4 mm²	
AWG 22…12	
–	
10 A	
4 mm²	
< 5 mA	
230~	
Neon lamp	

DK 4 Q GL/35	
112026	

Type	Cat.No.	Qty.
TS 32	**012280**	–
EWK 1	**020616**	50
EW 35	**038356**	50
TSch 4	**036336**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

Terminal blocks
with diodes

(other versions available on request)

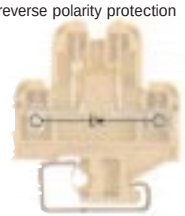


DK 4 D
WDK 2.5 D

Diode terminal, e.g. as reverse polarity protection

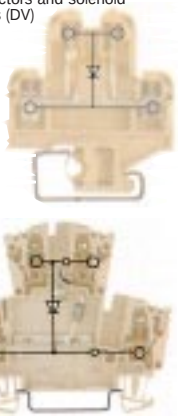
DK 4 D

Diode terminal, e.g. as reverse polarity protection



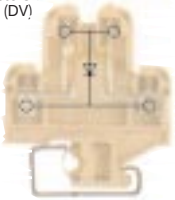
DK 4 D
WDK 2.5 D

Arc suppression circuit for contactors and solenoid valves (DV)



DK 4 D

Arc suppression circuit for contactors and solenoid valves (DV)



Dimensions DK 4/WDK 2.5					
Length	mm	50/69	50/69	50/69	50/69
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63	56.5/63	56.5/63	56.5/63
Terminal width (+ assembly tolerance 0.2)	mm	6/5	6/5	6/5	6/5
Insulation stripping length	mm	9/10	9/10	9/10	9/10
Connection data					
Screw connection, solid	DK 4	0.5…4 mm²	0.5…4 mm²	0.5…4 mm²	0.5…4 mm²
Screw connection, flexible	WDK 2.5	0.5…2.5 mm²	0.5…2.5 mm²	0.5…2.5 mm²	0.5…2.5 mm²
Conductor cross-section	DK 4	AWG 22…12	AWG 22…12	AWG 22…12	AWG 22…12
Conductor cross-section	WDK 2.5	AWG 26…12	AWG 26…12	AWG 26…12	AWG 26…12
VDE rated data					
Voltage		380 V~	380 V~	380 V~	380 V~
Diode reverse voltage		1000 V	1000 V	1000 V	1000 V
Diode current		1 A	1 A	1 A	1 A
Current of through busbar		10 A	10 A	10 A	10 A
Diode		1N4007	1N4007	1N4007	1N4007
Terminal colour		beige	beige	beige / blue	beige
Ordering data					
Type		DK 4 D / DK 4 QD	DK 4 D / DK 4 QD/32	DK 4 D / DK 4 D	DK 4 Q/32
Cat.No.	for TS 32 ⊏⊐	**054466** / **980162**	**067206** / **980163**	**048406** / **048408**	**980161**
Type		DK 4 D/35 / DK 4 QD	DK 4 D/35 / DK 4 QD/35	DK 4 D/35 / DK 4 D/35	DK 4 Q/35
Cat.No.	for TS 35 ⊓⊔	**039636** / **980362**	**980105** / **980363**	**053896** / **053898**	**980361**
Type		WDK 2.5 D		WDK 2.5 D	
Cat.No.	for TS 35 ⊓⊔	**802561**		**102340**	

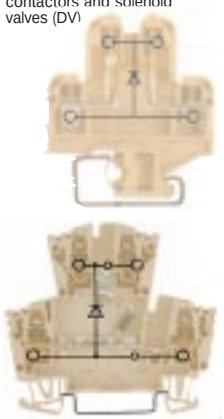
Accessories DK 41)		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Mounting rail (2 m long)	**TS 32**	TS 32	**012280**	–	TS 32	**012280**	–	TS 32	**012280**	–	TS 32	**012280**	–
	TS 35	TS 35	**038340**	–	TS 35	**038340**	–	TS 35	**038340**	–	TS 35	**038340**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**020616**	50	EWK 1	**020616**	50	EWK 1	**020616**	50	EWK 1	**020616**	50
	for TS 35 **EW 35** (8.5)	EW 35	**038356**	–	EW 35	**038356**	–	EW 35	**038356**	–	EW 35	**038356**	–
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**035926**	20	AP PA	**035926**	20	AP PA	**035926**	20	AP PA	**035926**	20
		WAP/DK 2.5	**105910**	20	WAP/DK 2.5	**105910**	20	WAP/DK 2.5	**105910**	20	WAP/DK 2.5	**105910**	20
Small partition	**TSch 4**	TSch 4	**036336**	100	TSch 4	**036336**	100	TSch 4	**036336**	100	TSch 4	**036336**	100
Socket for test plug		StB 8.5	**021570**	50	StB 8.5	**021570**	50	StB 8.5	**021570**	50	StB 8.5	**021570**	50
Test plug (pin diameter ø 2.3 mm)		PS	**018040**	20	PS	**018040**	20	PS	**018040**	20	PS	**018040**	20
Cross-connector (preassembled)	2-poles	Q 2	**033640**	50	Q 2	**033640**	50	Q 2	**033640**	50	Q 2	**033640**	50
	3-poles	Q 3	**033650**	50	Q 3	**033650**	50	Q 3	**033650**	50	Q 3	**033650**	50
	4-poles	Q 4	**033660**	50	Q 4	**033660**	50	Q 4	**033660**	50	Q 4	**033660**	50
	10-poles	Q 10	**036860**	20	Q 10	**036860**	20	Q 10	**036860**	20	Q 10	**036860**	20
Switchable cross-connection bracket		VL 2	**044670**	50	VL 2	**044670**	50	VL 2	**044670**	50	VL 2	**044670**	50
Connection sleeve		VH 10	**044660**	100	VH 10	**044660**	100	VH 10	**044660**	100	VH 10	**044660**	100
Fixing screw		BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100
Cover plate		AD 4 (4 term.)	**030340**	50	AD 4 (4 term.)	**030340**	50	AD 4 (4 term.)	**030340**	50	AD 4 (4 term.)	**030340**	50
Fixing screw (plastic)		BSK M 2.5x18	**030330**	100	BSK M 2.5x18	**030330**	100	BSK M 2.5x18	**030330**	100	BSK M 2.5x18	**030330**	100
Cross-connection bridge		QB 2²)	**048270**	100	QB 2²)	**048270**	100	QB 2²)	**048270**	100	QB 2²)	**048270**	100
		QB 3²)	**048280**	50	QB 3²)	**048280**	50	QB 3²)	**048280**	50	QB 3²)	**048280**	50
		QB 4²)	**048290**	50	QB 4²)	**048290**	50	QB 4²)	**048290**	50	QB 4²)	**048290**	50
		QB 75 bare	**052640**	10	QB 75 bare	**052640**	10	QB 75 bare	**052640**	10	QB 75 bare	**052640**	10
		Insulation profile	**052670**	–	Insulation profile	**052670**	–	Insulation profile	**052670**	–	Insulation profile	**052670**	–

[1]) Accessories for WDK 2.5

[2]) When using QB conductor connection, max. 2.5 mm²

DK 4 D
WDK 2.5 D

Arc suppression circuit for contactors and solenoid valves (DV)



50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	blue
DK 4 D	DK 4 D
046796	**046798**
DK 4 D/35	DK 4 D/35
053886	**053888**
WDK 2.5 D	
102330	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	–
AP PA	**035926**	20
WAP/DK 2.5	**105910**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
AD 4 (4 term.)	**030340**	50
BSK M 2.5x18	**030330**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 D

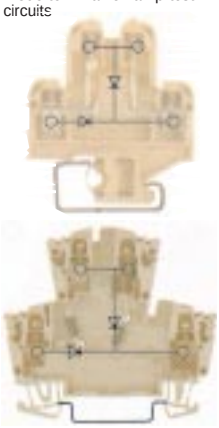
Arc suppression circuit for contactors and solenoid valves (DV)

50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	
DK 4 QD/32	
980160	
DK 4 QD/35	
980360	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	–
AP PA	**035926**	20
WAP/DK 2.5	**105910**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
AD 4 (4 term.)	**030340**	50
BSK M 2.5x18	**030330**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 D
WDK 2.5 D

Diode terminal for lamp test circuits

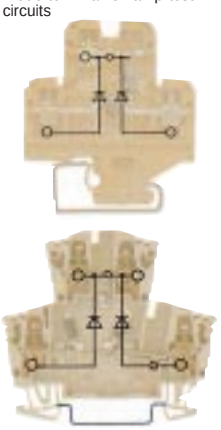


50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	
DK 4 D	
064276	
DK 4 D/35	
039666	
WDK 2.5 D	
102350	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	–
AP PA	**035926**	20
WAP/DK 2.5	**105910**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
AD 4 (4 term.)	**030340**	50
BSK M 2.5x18	**030330**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 D
WDK 2.5 D

Diode terminal for lamp test circuits

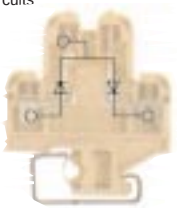


50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	
DK 4 D	
052376	
DK 4 D/35	
039686	
WDK 2.5 D	
102260	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	–
AP PA	**035926**	20
WAP/DK 2.5	**105910**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
AD 4 (4 term.)	**030340**	50
BSK M 2.5x18	**030330**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 D

Diode terminal for lamp test circuits

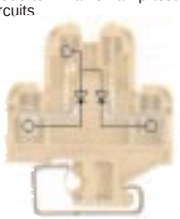


50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	
DK 4 D	
066896	
DK 4 D/35	
980108	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	–
AP PA	**035926**	20
WAP/DK 2.5	**105910**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
AD 4 (4 term.)	**030340**	50
BSK M 2.5x18	**030330**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

DK 4 D

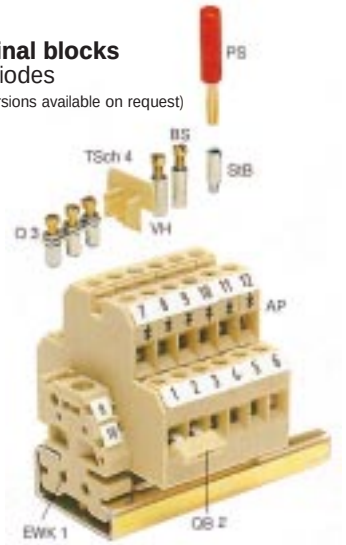
Diode terminal for lamp test circuits



50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	
DK 4 D	
066396	
DK 4 D/35	
039676	
WDK 2.5 D	
801467	

Type	Cat.No.	Qty.
TS 32	**012280**	–
TS 35	**038340**	–
EWK 1	**020616**	50
EW 35	**038356**	–
AP PA	**035926**	20
WAP/DK 2.5	**105910**	20
TSch 4	**036336**	100
StB 8.5	**021570**	50
PS	**018040**	20
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5x14	**026680**	100
AD 4 (4 term.)	**030340**	50
BSK M 2.5x18	**030330**	100
QB 2[2])	**048270**	100
QB 3[2])	**048280**	50
QB 4[2])	**048290**	50
QB 75 bare	**052640**	10
Insulation profile	**052670**	–

Terminal blocks
with diodes
(other versions available on request)



DKT 4 D

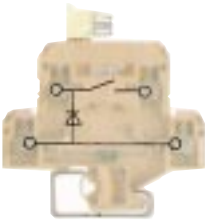
Diode terminal with disconnect

DKT 4 D

Diode terminal with disconnect

DKT 4 D

Diode terminal with disconnect



DKT 4 D

Diode terminal with disconnect

Dimensions DK 4/WDK 2.5															
Length	mm	65				65				65				65	
Height (incl. TS 32/TS 35x7.5)	mm	56.5				56.5				56.5				56.5	
Terminal width (+ assembly tolerance 0.2)	mm	6				6				6				6	
Insulation stripping length	mm	9				9				9				9	
Connection data															
Screw connection, solid	DK 4	0.5…4 mm^2				0.5…4 mm^2				0.5…4 mm^2				0.5…4 mm^2	
Conductor cross-section	DK 4	AWG 22…12				AWG 22…12				AWG 22…12				AWG 22…12	
VDE rated data															
Voltage		380 V~				380 V~				380 V~				380 V~	
Diode reverse voltage		1000 V				1000 V				1000 V				1000 V	
Diode current		1 A				1 A				1 A				1 A	
Current of through busbar		10 A				10 A				10 A				10 A	
Diode		1N4007				1N4007				1N4007				1N4007	
Terminal colour															
		beige				beige				beige				beige	
Ordering data															
Type		DKT 4 D				DKT 4 D				DKT 4 D				DKT 4 D	
Cat.No.	for TS 32 ⊏⎽⊐	**067086**				**067096**				**067106**				**067116**	
Type		DKT 4 D/35				DKT 4 D/35				DKT 4 D/35				DKT 4 D/35	
Cat.No.	for TS 35 ⊓⎽⊔	**980116**				**980117**				**980118**				**980119**	

Accessories		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Mounting rail (2 m long)	**TS 32**	TS 32	**012280**	1m	TS 32	**012280**	1m	TS 32	**012280**	1m	TS 32	**012280**	1m
	TS 35	TS 35	**038340**	1m	TS 35	**038340**	1m	TS 35	**038340**	1m	TS 35	**038340**	1m
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**020616**	50	EWK 1	**020616**	50	EWK 1	**020616**	50	EWK 1	**020616**	50
	for TS 35 **EW 35** (8.5)	EW 35	**038356**	50	EW 35	**038356**	50	EW 35	**038356**	50	EW 35	**038356**	50
End plate (thickness mm)	**AP PA** (1.5)	AP	**068756**	20	AP	**068756**	20	AP	**068756**	20	AP	**068756**	20
Small partition	**TSch 4**												
Socket for test plug													
Test plug (pin diameter ø 2.3 mm)													
Cross-connector (preassembled)	2-poles	QB 2	**048270**		QB 2	**048270**		QB 2	**048270**		QB 2	**048270**	
	3-poles	QB 3	**048280**		QB 3	**048280**		QB 3	**048280**		QB 3	**048280**	
	4-poles	QB 4	**048290**		QB 4	**048290**		QB 4	**048290**		QB 4	**048290**	

DKT 4 D

Diode terminal with disconnect

65	
56.5	
6	
9	
0.5…4 mm²	
AWG 22…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	
DKT 4 D	
067126	
DKT 4 D/35	
980120	

Type	Cat.No.	Qty.
TS 32	**012280**	1m
TS 35	**038340**	1m
EWK 1	**020616**	50
EW 35	**038356**	50
AP	**068756**	20
QB 2	**048270**	
QB 3	**048280**	
QB 4	**048290**	

DKT 4 D

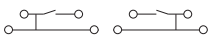
Diode terminal with disconnect

65	
56.5	
6	
9	
0.5…4 mm²	
AWG 22…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	
DKT 4 D	
067136	
DKT 4 D/35	
980121	

Type	Cat.No.	Qty.
TS 32	**012280**	1m
TS 35	**038340**	1m
EWK 1	**020616**	50
EW 35	**038356**	50
AP	**068756**	20
QB 2	**048270**	
QB 3	**048280**	
QB 4	**048290**	

DKT 4 D

Diode terminal with disconnect



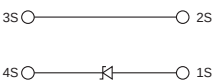
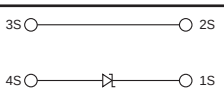
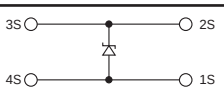
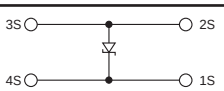
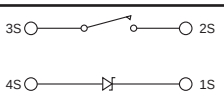
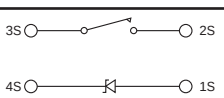
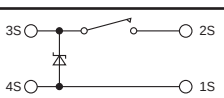
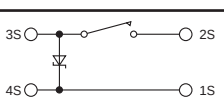
65	
56.5	
6	
9	
0.5…4 mm²	
AWG 22…12	
380 V~	
1000 V	
1 A	
10 A	
1N4007	
beige	
DKT 4 D	DKT 4 D
067496	**067506**
DKT 4 D/35	DKT 4 D/35
980122	**980123**

Type	Cat.No.	Qty.
TS 32	**012280**	1m
TS 35	**038340**	1m
EWK 1	**020616**	50
EW 35	**038356**	50
AP	**068756**	20
QB 2	**048270**	
QB 3	**048280**	
QB 4	**048290**	

DK4ZD and DKT4ZD

TS32

Diode terminal ‘T’ denotes disconnect

Type	Cat. No.	
DK4ZD	**386316**	
DK4ZD	**386326**	
DK4ZD	**386336**	
DK4ZD	**386346**	
DKT4ZD	**386356**	
DKT4ZD	**386366**	
DKT4ZD	**386376**	
DKT4ZD	**386386**	

AP (DK4ZD)	**035926**	20
AP (DKT4ZD)	**068756**	20

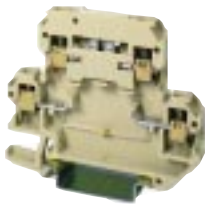
Catalogue Numbers

These consist of the six figure number/voltage required, eg. 386316/2V4 will be the top figure fitted with 2.4V Zener Diode.

DK4ZD and DKT4ZD

TS35

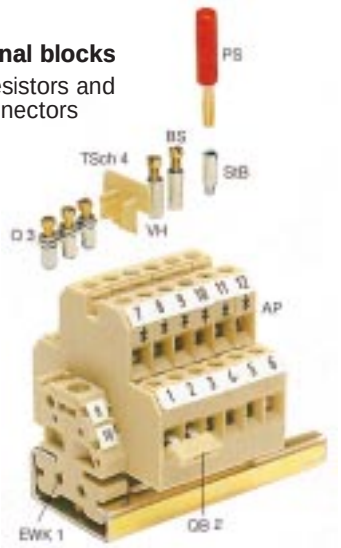
Diode terminal ‘T’ denotes disconnect

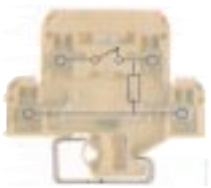


Type	Cat. No.
DK4ZD/35	**389156**
DK4ZD/35	**389166**
DK4ZD/35	**389176**
DK4ZD/35	**389186**
DKT4ZD/35	**389196**
DKT4ZD/35	**389206**
DKT4ZD/35	**389216**
DKT4ZD/35	**389226**

AP (DK4ZD)	**035926**	20
AP (DKT4ZD)	**068756**	20

Terminal blocks
with resistors and disconnectors



	DK 4 R DKT 4 R	DK 4 R DKT 4 R	DK 4 R DKT 4 R	DK 4 R DKT 4 R
				
Dimensions DK 4				
Length mm	50	50	50	50
Height (incl. TS 32/TS 35x7.5) mm	56.5	56.5	56.5	56.5
Terminal width (+ assembly tolerance 0.2) mm	6	6	6	6
Insulation stripping length mm	9	9	9	9
Connection data				
Screw connection, solid DK 4	0.5…4 mm²	0.5…4 mm²	0.5…4 mm²	0.5…4 mm²
Conductor cross-section DK 4	AWG 22…12	AWG 22…12	AWG 22…12	AWG 22…12
VDE rated data				
Current of through busbar	10A 10A	10A 10A	10A 10A	10A 10A
Cross section DK4	4 mm² 4 mm²	4 mm² 4 mm²	4 mm² 4 mm²	4 mm² 4 mm²
Tollerance %	0.1 1.0	0.1 1.0	0.1 1.0	0.1 1.0
Temperature coef ppm/°C	± 50 –	± 50 –	± 50 –	± 50 –
Wattage W	0.5 0.5	0.5 0.5	0.5 0.5	0.5 0.5
Voltage V	300 300	300 300	300 300	300 300
Power Loss				
Ordering data				
	Precision Standard	Precision Standard	Precision Standard	Precision Standard
Type	DK 4 R DK 4 R	DK 4 R DK 4 R	DK 4 R DK 4 R	DK 4 R DK 4 R
Cat.No. for TS 32 ⊏⎽	**067516 387416**	**067526 389116**	**067536 387436**	**067546 387446**
Type	DKT 4 R/35 DKT 4 R/35	DKT 4 R/35 DKT 4 R/35	DKT 4 R/35 DKT 4 R/35	DKT 4 R/35 DKT 4 R/35
Cat.No. for TS 35 ⎽⎽⎽	**389106 387596**	**387426 387606**	**389126 387616**	**389136 387626**
Contour frame for TS 32 ⊏⎽				
for TS 35 ⎽⎽⎽				

Resistor ordering details

How to order **DK4** and **DKT 4R** Terminal Blocks
These consist of the six figures and value of resistor

e.g. 067516/250R = 250 ohm precision resistor fitted
e.g. 387416/1K = 1 k ohm standard resistor fitted

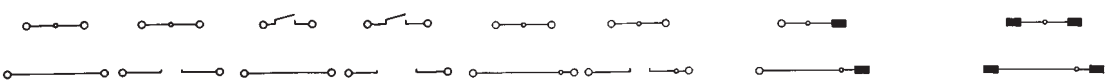
For further assistance please contact the Sales Office:- **01795 580999**

Accessories DK		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Mounting rail (2 m long)	**TS 32**	TS 32	**012280**	–	TS 32	**012280**	–	TS 32	**012280**	–	TS 32	**012280**	–
	TS 35	TS 35	**038340**	–	TS 35	**038340**	–	TS 35	**038340**	–	TS 35	**038340**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**020616**	50	EWK 1	**020616**	50	EWK 1	**020616**	50	EWK 1	**020616**	50
	for TS 35 **EW 35** (8.5)	EW 35	**038356**	–	EW 35	**038356**	–	EW 35	**038356**	–	EW 35	**038356**	–
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**035926**	20	AP PA	**035926**	20	AP PA	**035926**	20	AP PA	**035926**	20
		WAP/DK 2.5	**105910**	20	WAP/DK 2.5	**105910**	20	WAP/DK 2.5	**105910**	20	WAP/DK 2.5	**105910**	20
Small partition	**TSch 4**	TSch 4	**036336**	100	TSch 4	**036336**	100	TSch 4	**036336**	100	TSch 4	**036336**	100
Socket for test plug		StB 8.5	**021570**	50	StB 8.5	**021570**	50	StB 8.5	**021570**	50	StB 8.5	**021570**	50
Test plug (pin diameter ø 2.3 mm)		PS	**018040**	20	PS	**018040**	20	PS	**018040**	20	PS	**018040**	20
Cross-connector (pre-assembled)	2-poles	Q 2	**033640**	50	Q 2	**033640**	50	Q 2	**033640**	50	Q 2	**033640**	50
	3-poles	Q 3	**033650**	50	Q 3	**033650**	50	Q 3	**033650**	50	Q 3	**033650**	50
	4-poles	Q 4	**033660**	50	Q 4	**033660**	50	Q 4	**033660**	50	Q 4	**033660**	50
	10-poles	Q 10	**036860**	20	Q 10	**036860**	20	Q 10	**036860**	20	Q 10	**036860**	20
Switchable cross-connection bracket		VL 2	**044670**	50	VL 2	**044670**	50	VL 2	**044670**	50	VL 2	**044670**	50
Connection sleeve		VH 10	**044660**	100	VH 10	**044660**	100	VH 10	**044660**	100	VH 10	**044660**	100
Fixing screw		BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100
Cover plate		AD 4 (4 term.)	**030340**	50	AD 4 (4 term.)	**030340**	50	AD 4 (4 term.)	**030340**	50	AD 4 (4 term.)	**030340**	50
Fixing screw (plastic)		BSK M 2.5x18	**030330**	100	BSK M 2.5x18	**030330**	100	BSK M 2.5x18	**030330**	100	BSK M 2.5x18	**030330**	100
Cross-connection bridge		QB 2[1])	**048270**	100	QB 2[1])	**048270**	100	QB 2[1])	**048270**	100	QB 2[1])	**048270**	100
		QB 3[1])	**048280**	50	QB 3[1])	**048280**	50	QB 3[1])	**048280**	50	QB 3[1])	**048280**	50
		QB 4[1])	**048290**	50	QB 4[1])	**048290**	50	QB 4[1])	**048290**	50	QB 4[1])	**048290**	50
		QB 75 bare	**052640**	10	QB 75 bare	**052640**	10	QB 75 bare	**052640**	10	QB 75 bare	**052640**	10
		Insulation profile	**052670**	–	Insulation profile	**052670**	–	Insulation profile	**052670**	–	Insulation profile	**052670**	–

[1])When using QB conductor connection, max. 2.5 mm².

These items are suitable for soldering components into

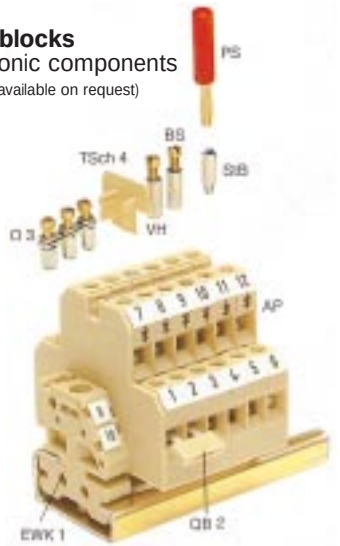
DK 4 R DKT 4 R	DK 4	DKT 4	WDK 2.5	WDK 2.5 F	WDK 2.5 FF
50	50				
56.5	56.5				
6	6	6	5 / 10	5 / 10	5 / –
9	9	9	5 / 10	5 / 10	5 / –
0.5…4 mm²	0.5…4 mm²	0.5…4 mm²	0.5…2.5 mm² / AWG 26…4	0.5…2.5 mm² / AWG 26…4	0.5…2.5 mm² / AWG 26…4
AWG 22…12	AWG 22…12	AWG 22…17	0.5…2.5 mm² / AWG 26…4	0.5…2.5 mm² / AWG 26…4	0.5…2.5 mm² / AWG 26…4
10A / 4 mm²	10A / 4 mm²	10A / 4 mm²	26A / 2.5mm²	12A (2 x 6A) / 2.5mm²	12A (2 x 6A) / 1mm²
0.1	–	–	–	–	–
± 50	–	–	–	–	–
0.5	–	–	–	–	–
300	380V AC / 0.5W	380V AC / 0.5W	380V AC / 0.5W	380V AC / 0.5W	380V AC / 0.5W
Precision / DK 4 R / **067556**	Standard / DK 4 R / **387456**	DK 4 PA / **153790**	DK 4 PA / **111546**	DK 4 PA / **068736**	DK 4 PA / **111566**
DKT 4 R/35 / **389146**	DKT 4 R/35 / **387636**	DK 4/35 PA / **202684**	DK 4/35 PA / **111556**	DKT 4/35 PA / **068746**	DKT 4/35 PA / **111576**
		DK 4 RA/32 / **069096**			
		DK 4 RA/35 / **069106**			



Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
TS 32	**012280**	–	TS 32	**012280**	2 m	TS 32	**012280**	2 m	TS 35 x 7.5	**038340**	2 m	TS 35 x 7.5	**038340**	2 m	TS 35 x 7.5	**038340**	2 m
TS 35	**038340**	–	TS 35 x 7.5	**038340**	2 m	TS 35 x 7.5	**038340**	2 m	Slotted	**051450**	2 m	Slotted	**051450**	2 m	Slotted	**051450**	2 m
EWK 1	**020616**	50	TS 35 x 15	**049800**	2 m	TS 35 x 15	**049800**	2 m	TS 35 x 15	**049800**	2 m	TS 35 x 15	**049800**	2 m	TS 35 x 15	**049800**	2 m
EW 35	**038356**	–	EWK 1 (8.5)	**020616**	50	EWK 1 (8.5)	**020616**	50									
AP PA	**035926**	20	EW 35 (8.5)	**038356**	50	EW 35 (8.5)	**038356**	50	EW 35 (8.5)	**038356**	50	EW 35 (8.5)	**038356**	50	EW 35 (8.5)	**038356**	50
WAP/DK 2.5	**105910**	20	AP PA (1.5)	**035926**	20	AP PA (1.5)	**035926**	20	WAP	**105910**	100	WAP	**105910**	100	WAP	**105910**	100
TSch 4	**036336**	100	TSch 4	**036336**	100	TSch 4	**036336**	100									
StB 8.5	**021570**	50	StB 8.5	**021570**	50												
PS	**018040**	20	PS (dia 2.3)	**018040**	20												
Q 2	**033640**	50	Q 2	**033640**	50				WQV 2.5	**105366**	50	WQV 2.5	**105366**	50	WQV 2.5	**105366**	50
Q 3	**033650**	50	Q 3	**033650**	50				WQV 2.5	**105376**	50	WQV 2.5	**105376**	50	WQV 2.5	**105376**	50
Q 4	**033660**	50	Q 4	**033660**	50				WQV 2.5	**105386**	50	WQV 2.5	**105386**	50	WQV 2.5	**105386**	50
Q 10	**036860**	20	Q 10	**036860**	20				WQV 2.5	**105446**	50	WQV 2.5	**105446**	50	WQV 2.5	**105446**	50
VL 2	**044670**	50	VL 2	**044670**	50												
VH 10	**044660**	100	VH 10	**044660**	100												
BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100												
AD 4 (4 term.)	**030340**	50	AD 4	**030340**	50												
BSK M 2.5x18	**030330**	100	BSK M 2.5x18	**030330**	100												
QB 2[1])	**048270**	100	QB 2[1])	**048270**	100	QB 2[1])	**048270**	100									
QB 3[1])	**048280**	50	QB 3[1])	**048280**	50	QB 3[1])	**048280**	50									
QB 4[1])	**048290**	50	QB 4[1])	**048290**	50	QB 4[1])	**048290**	50									
QB 75 bare	**052640**	10	QB 75 bare	**052640**	10	QB 75 bare	**052640**	10									
Insulation profile	**052670**	–	Insulation profile	**052670**	–	Insulation profile	**052670**	–									

[1])When using QB conductor connection, max. 2.5 mm².

Terminal blocks
with electronic components
(other versions available on request)



DK 4 D
WDK 2.5 D
Diode terminal for lamp test circuits, with series resistor

DK 4 D
WDK 2.5 D
Diode terminal for lamp test circuit, with series resistor

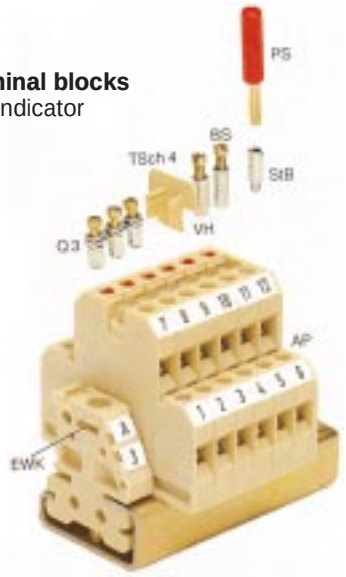
Dimensions DK 4/WDK 2.5			
Length	mm	50/69	50/69
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63	56.5/63
Terminal width (+ assembly tolerance 0.2)	mm	6/5	6/5
Insulation stripping length	mm	9/10	9/10
Connection data			
Screw connection, solid	DK 4	0.5…4 mm^2	0.5…4 mm^2
Screw connection, flexible	WDK 2.5	0.5…2.5 mm^2	0.5…2.5 mm^2
Conductor cross-section	DK 4	AWG 22…12	AWG 22…12
Conductor cross-section	WDK 2.5	AWG 26…12	AWG 26…12
VDE rated data			
Voltage		24 V–	24 V–
Diode current		1 A	1 A
Current of though-busbar		10 A	10 A
Operating temperature range			
Diode		1N4007	1N4007
Resistance		1.5 k ohm	1.5 k ohm
Capacitor		–	–
Ordering data			
Type		DK 4 D	DK 4 D
Cat.No.	for TS 32 ⊏⎓	**068526**	**015916**
Type		DK 4 D/35	DK 4 D/35
Cat.No.	for TS 35 ⎓⊐	**039696**	**018156**
Type		WDK 2.5 D	WDK 2.5 D
Cat.No.	for TS 35 ⎓⊐	**801694**	**801226**

Accessories DK 41)		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Mounting rail (2 m long)	**TS 32**	TS 32	**012280**	–	TS 32	**012280**	–
	TS 35	TS 35	**038340**	–	TS 35	**038340**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**020616**	50	EWK 1	**020616**	50
	for TS 35 **EW 35** (8.5)	EW 35	**038356**	–	EW 35	**038356**	–
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**035926**	20	AP PA	**035926**	20
Small partition	**TSch 4**	TSch 4	**036336**	100	TSch 4	**036336**	100
Partition (thickness mm)							
Socket for test plug		StB 8.5	**021570**	50	StB 8.5	**021570**	50
Test plug (pin diameter ø 2.3 mm)		PS	**018040**	20	PS	**018040**	20
Contact sleeve							
Cross-connector (pre-assembled)	2-poles	Q 2	**033640**	50	Q 2	**033640**	50
	3-poles	Q 3	**033650**	50	Q 3	**033650**	50
	4-poles	Q 4	**033660**	50	Q 4	**033660**	50
	10-poles	Q 10	**036860**	20	Q 10	**036860**	20
Switchable cross-connection bracket		VL 2	**044670**	50	VL 2	**044670**	50
Connection sleeve		VH 10	**044660**	100	VH 10	**044660**	100
Fixing screw		BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100
Cover plate		AD 4 (4 term.)	**030340**	50	AD 4 (4 term.)	**030340**	50
Fixing screw (plastic)		BSK M 2.5x18	**030330**	100	BSK M 2.5x18	**030330**	100
Cross-connection bridge		QB 2^2)	**048270**	100	QB 2^2)	**048270**	100
		QB 3^2)	**048280**	50	QB 3^2)	**048280**	50
		QB 4^2)	**048290**	50	QB 4^2)	**048290**	50
		QB 75 bare	**052640**	10	QB 75 bare	**052640**	10
		Insulation profile	**052670**	–	Insulation profile	**052670**	–

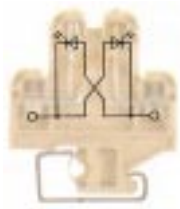
1) Accessories for WDK 2.5

2) When using QB conductor connection, max. 2.5 mm^2

Terminal blocks
with indicator



DK 4 LD I
Current direction indicator



DK 4 GL I
Current indicator

AKZ 4 LD
Direct **voltage** indicator

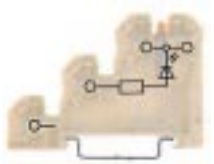
AKZ 4 LD
Direct **voltage** indicator

Dimensions											
Length	mm	50			50			35.5			35.5	
Height (inc. TS 32/TS 35x7.5)	mm	56.5			56.5			30			30	
Terminal width (+ assembly tolerance 0.2)	mm	6			6			6			6	
Insulation stripping length	mm	9			9			9			9	
Connection data												
Screw connection, solid		0.5…4 mm²			0.5…4 mm²			0.5…4 mm²			0.5…4 mm²	
Screw connection, flexible		0.5…4 mm²			0.5…4 mm²			0.5…4 mm²			0.5…4 mm²	
Solder connection		–			–			to 1.5 mm²			to 1.5 mm²	
Conductor cross-section		AWG 22…12			AWG 22…12			AWG 22…12/Solder…16			AWG 22…12/Solder…16	
VDE rated data												
Current of through-busbar		20 mA			1 A			10 A			10 A	
Cross-section		4 mm²			4 mm²			4 mm²/1.5 mm²			4 mm²/1.5 mm²	
Permissible current range		2…20 mA			0.1…1 A			< 5 mA			< 5 mA	
LED current		–			–			< 5 mA			< 5 mA	
Voltage Other versions on request												
		3…250 V~			3…250 V~			24 V–			24 V–	
Indicator Other versions on request												
	LED	red and green			Incandescent lamp						green	
Ordering data												
Type		DK 4 LDI			DK 4 GLI							
Cat.No.	for TS 32 ⊏⊐	**116476**			**111106**							
Type		DK 4 LDI/35			DK 4 GLI/35							
Cat.No.	for TS 35 ⊓⎽⊏	**116486**			**111116**							
								AKZ 4 LD				
Type								**063946**	red		AKZ 4 LD	
Cat.No.	for TS 35 ⊓⎽⊏							**063956**	yellow		**063936**	
								802252	green			
Accessories		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Mounting rail (2 m long)	**TS 15**							TS 15	**011750**	-	TS 15	**011750**	-
	TS 32	TS 32	**012280**	–	TS 32	**012280**	–						
	TS 35	TS 35	**038340**	–	TS 35	**038340**	–						
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**020616**	50	EWK 1	**020616**	50	EW 15	**038286**	50	EW 15	**038286**	50
	for TS 35 **EW 35** (8.5)	EW 35	**038356**	50	EW 35	**038356**	50						
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**035926**	20	AP PA	**035926**	20	AP PA	**029446**	20	AP PA	**029446**	20
Small partition	**TSch 4**	TSch 4	**036336**	100	TSch 4	**036336**	100	TSch 4	**036336**	100	TSch 4	**036336**	100
Socket for test plug								StB 8.5	**021570**	50	StB 8.5	**021570**	50
Test plug (pin diameter ø 2.3 mm)								PS	**018040**	20	PS	**018040**	20
Cross-connector (pre-assembled)	2-poles							Q 2	**033640**	50	Q 2	**033640**	50
	3-poles							Q 3	**033650**	50	Q 3	**033650**	50
	4-poles							Q 4	**033660**	50	Q 4	**033660**	50
	10-poles							Q 10	**036860**	20	Q 10	**036860**	20
Switchable cross-connection bracket								VL 2	**044670**	50	VL 2	**044670**	50
Connection sleeve								VH 10	**044660**	100	VH 10	**044660**	100
Fixing screw								BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100
Cross-connection bridge		QB 2*)	**048270**	100	QB 2*)	**048270**	100						
		QB 3*)	**048280**	50	QB 3*)	**048280**	50						
		QB 4*)	**048290**	50	QB 4*)	**048290**	50						
		QB 75 bare	**052640**	10	QB 75 bare	**052640**	10	QB 75 bare	**052640**	10	QB 75 bare	**052640**	10
		Insulation profile	**052670**	–	Insulation profile	**052670**	–	Insulation profile	**052670**	–	Insulation profile	**052670**	–
Cross-connection bridge													

* When using QB conductor connection, max. 2.5 mm².

Terminal blocks
with indicator

DLI 2.5 LD/35 PNP
DLI 2.5 LD/35 NPN



Compensating terminals

Dimensions						**Dimensions**	
Length	mm	65		65		Length	mm
Height (incl. TS 32/TS 35x7.5)	mm	–/49		–/49		Height (incl. TS 32/TS 35x7.5)	mm
Terminal width (+ assembly tolerance 0.2)	mm	6		6		Terminal width (+ assembly tolerance 0.2)	mm
Insulation stripping length	mm	7		7		Insulation stripping length	mm
Connection data						**Connection data**	
Screw connection, solid		0.5…2.5 mm^2		0.5…2.5 mm^2		Screw connection, solid	
Screw connection, flexible		0.5…2.5 mm^2		0.5…2.5 mm^2		Screw connection, flexible	
Conductor cross-section		AWG 22…14		AWG 22…14		Conductor cross-section	
VDE rated data						**VDE rated data**	
Current of through-busbar		20 A		20 A		Power	
Cross-section		2.5 mm^2		2.5 mm^2		Cross-section	
Permissible current		–		–			
LED current		< 5 mA		< 5 mA		Approvals	
Voltage Other versions on request						**Ordering data**	
		5…30 V–		5…30 V–		Resistance	10 Ohm
							30 Ohm
Ordering data							50 Ohm
							100 Ohm
Type	for TS 35 ⊓	DLI 2.5 LD/35 PNP		DLI 2.5 LD/35 NPN			500 Ohm
							1 k Ohm
Cat.No.	LED red	**157851**		**157855**			5 k Ohm
	LED yellow	**801036**		**812067**			10 k Ohm
	LED green	**157852**		**157856**			100 k Ohm
							500 k Ohm
1Block of 10 (with built-in cross-connections)							2 M Ohm
Cat.No.	LED red	**157853**		**157857**			
	LED green	**157854**		**157858**			

Accessories		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	**Accessories**	
Mounting rail (2 m long)		TS 35	**038340**	–	TS 35	**038340**	–	Mounting rail (2 m long)	
End bracket (thickness mm)		EW 35 (8.5)	**038356**	50	EW 35 (8.5)	**038356**	50	End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)
	for TS 35 **EW 35** (8.5)	AP PA	**131326**	20	AP PA	**131326**	20		for TS 35 **EW 35** (8.5)
End plate (thickness mm)	**AP PA** (1.5)							End plate (thickness mm)	**AP PA** (1.5)
								End plate (thickness mm)	
								Partition (thickness mm)	
		Q 2	**131250**	50	Q 2	**131250**	50	Shield bus	
Cross-connector (preassembled)	2-poles	Q 3	**131260**	50	Q 3	**131260**	50	Solder lug	
	3-poles	Q 4	**131270**	50	Q 4	**131270**	50		
	4-poles	Q 10	**131310**	20	Q 10	**131310**	20		
	10-poles								
Connection sleeve		VH 3.8	**134580**	100	VH 3.8	**134580**	100		
Cross-connection bracket		QL 2	**139950**	100	QL 2	**139950**	100		

Technical data for the 30 Ohm compensation resistor

Resistor material: “Cermet”
Resistor setting range: 0…30 Ohm
Curve form: Linear
Temperature coefficient: ± 100 ppm/°C
Mechanical service life: 200 actuations without permissible deviations throughout the entire resistance range
Resistance change per spindle turn: ² 1.2 Ohm
Rated output for total resistance: 1 Watt at 70 °C
Rated current: 120 mA
Ambient temperature: –55 °C to +70 °C
Sealing:
1) Leak tested in water at 70°C without bubble formation
2) Storage in SFW 2.0 S to DIN 50018. 9 cycles

SAKL 4/ ...

40	
51.5	
6.5	
9	
0.5…4 mm²	
0.5…4 mm²	
AWG 22…12	
1 W	
4 mm²	

Type	Cat.No.	Qty.
SAKL 4/10 PA	**064916**	10
SAKL 4/30 PA	**052406**	10
SAKL 4/50PA	**064906**	10
SAKL 4/100 PA	**064326**	10
SAKL 4/500 PA	**064386**	10
SAKL 4/1 k PA	**064896**	10
SAKL 4/5 k PA	**064886**	10
SAKL 4/10 k PA	**063226**	10
SAKL 4/50 k PA	**064786**	10
SAKL 4/100 PA	**064926**	10
SAKL 4/500 k PA	**064956**	10
SAKL 4/2 M PA	**064976**	10
SAKL 4/32 (without Potentiometer)	**064376**	10

TS 32	**012280**	–
EWK 1 (8.5)	**020616**	50
AP PA (1.5)	**011796**	20
TW PA (1.5)	**013016**	20

SAKL 4/ ... L

60	
51.5	
6.5	
9	
0.5…4 mm²/Solder 1.5 mm²	
0.5…4 mm²/Solder 1.5 mm²	
AWG 22…12	
1 W	
4 mm²	

Type	Cat.No.	Qty.
–		
SAKL 4/30 L PA	**057286**	10
–		
–		
–		
–		
–		
–		
–		
–		
–		
–		

TS 32	**012280**	–
EWK 1 (8.5)	**020616**	50
AP PA (1.5)	**011796**	20
TW PA (1.5)	**013016**	20
LÖFA SAKL 2.5 L	**202614**	100

SAKL 4/ ... R

40	
13	
SAKL=9 mm/SAK 4=12 mm	
0.5…4 mm²	
0.5…4 mm²	
AWG 22…12	
1 W	
4 mm²	

Type	Cat.No.	Qty.
–		
SAKL 4/30 R PA	**052626**	5
–		
SAKL 4/100 R PA	**064316**	10
–		
–		
–		
–		
–		
–		
–		
–		

TS 32	**012280**	–
EWK 1 (8.5)	**020616**	50
AP PA (1.5)	**011796**	20
TW PA (1.5)	**013016**	20

SAKL 4/ ... EN

41.5	
41.5/48	
6.5	
9	
0.5…4 mm²	
0.5…4 mm²	
AWG 22…12	
1 W	
4 mm²	

Type	Cat.No.	Qty.
SAKL 4/10 EN	**110836**	10
SAKL 4/30 EN	**110846**	10
SAKL 4/50 EN	**110856**	10
SAKL 4/100 EN	**110866**	10
SAKL 4/500 EN	**110886**	10
SAKL 4/1 k EN	**110896**	10
SAKL 4/5 k EN	**110916**	10
SAKL 4/10 k EN	**110926**	10
SAKL 4/50 k EN	**110956**	10
SAKL 4/100 k EN	**110966**	10
SAKL 4/500 k EN	**110996**	10
SAKL 4/2 M EN	**111016**	10
SAKL 4 EN (without Potentiometer)	**130516**	10

TS 32	**012280**	–
TS 35	**038340**	–
EWK 1 (8.5)	**020616**	50
EW 35 (8.5)	**038356**	50
AP PA (1.5)	**011796**	20
TW PA (1.5)	**013016**	20

SAKL 4/ ... TEN

40	
13	
SAKL=9 mm/SAK 4=12 mm	
0.5…4 mm²	
0.5…4 mm²	
AWG 22…12	
1 W	
4 mm²	

Type	Cat.No.	Qty.
SAKL 4/10 TEN	**116636**	5
SAKL 4/100 TEN	**116646**	5
SAKL 4/1 k TEN	**116656**	5
SAKL 4/10 k TEN	**116666**	5
SAKL 4/100 k TEN	**116676**	5
SAKL 4 TEN (without Potentiometer)	**821167**	5

TS 32	**012280**	–
TS 35	038340	–
EWK 1 (8.5)	**020616**	50
EW 35 (8.5)	**038356**	50
AP PA (1.5)	**011796**	20
TW PA (1.5)	**013016**	20

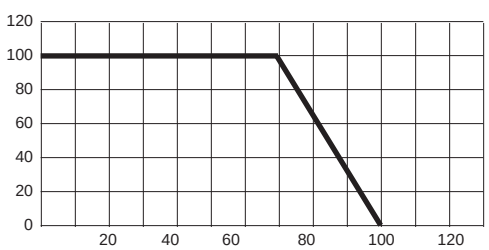
WDUL 4/...

–/60	
–/47	
6	
9/10	
0.5…4 mm²	
0.5…4 mm²	
AWG 22…12	
1 W	
4 mm²	

Type	Cat.No.	Qty.
WDUL 4/10	**102700**	10
WDUL 4/30	**102710**	10
WDUL 4/50	**102720**	10
WDUL 4/100	**102730**	10
WDUL 4/500	**102740**	10
WDUL 4/1K	**102750**	10
WDUL 4/5K	**102760**	10
WDUL 4/10K	**102770**	10
WDUL 4/50K	**102780**	10
WDUL 4/100K	**102790**	10
WDUL 4/500K	**102800**	10
WDUL 4/2M	**102810**	10
WDUL 4 (without Potentiometer)	**816182**	10

TS 35	**038340**	–
EWK 1 (8.5)	**020616**	50
EW 35 (8.5)	**038356**	50
AP PA (1.5)	**011796**	20
WAP 2.5-10	**105000**	50
TW PA (1.5)	**013016**	20
LS 2.8	**105640**	100

Capacity in % of rated output



Ambient temperature in °C

Diode plugs

DLS 2

for SAKR-D

DLS 2

for SAKR-D

WSD 2.5

WTR 2.5 D

SAKR-D

SAKR-D

WTR 2.5 D

with diode plug
with test socket

Dimensions					
Terminal width (+ assembly tolerance 0.2)	mm	6.5	6.5	5	5
Insulation stripping length	mm	8	8	10	10
Connection data					
Screw connection, solid		0.5…4 mm²	0.5…4 mm²	0.5…4 mm²	0.5…4 mm²
Screw connection, flexible		0.5…4 mm²	0.5…4 mm²	0.5…2.5 mm²	0.5…2.5 mm²
Conductor cross-section		AWG 22…12	AWG 22…12	AWG 26…12	AWG 26…12
VDE rated data					
Diode current		1 A	1 A	1 A	1 A
Diode reverse voltage		1000 V	1000 V	1000 V	1000 V
Cross-section		4 mm²	4 mm²	2.5 mm²	2.5 mm²

Ordering data

DLS 2 = Diode plug
for longitudinal disconnection
DQS 2 = Diode plug
for cross-connection

Type	Cat.No.	Qty.
DLS 2	**032106**	
w/o components		50
DLS 2	**054766**	
with wire link		50
DLS 2	**063016**	
with diode 1N4007		50
DLS 2	**054776**	
with diode 1N4007		50
SAKR-D TS 32	**026366**	
with **DLS 2** 054776	–	25
SAKR-D TS 32	**041306**	
with **DLS 2** w/o components		50
SAKR-D TS 32	**041316**	
with test socket and **DLS 2** w/o components Special design		50
SAKR-D TS 32	**060656**	
with test socket and 2 antiparallel diodes 1N4007 **without** DLS 2		25
SAKR-D TS 32	**041296**	
		100
SAKR-D TS 32	**054646**	
with test socket		100

Type	Cat.No.	Qty.
DLS 2	**032106**	
w/o components		50
DLS 2	**054766**	
with wire link		50
DLS 2	**063016**	
with diode 1N4007		10
DLS 2	**054776**	
with diode 1N4007		50
SAKR-D TS 35	**029956**	
with **DLS 2** 054776	–	25
SAKR-D TS 35	**018576**	
with **DLS 2** w/o components		50
SAKR-D TS 35	**117536**	
with test sockets and **DLS 2** w/o components Special design		
SAKR-D TS 35	**117546**	
with test socket and 2 antiparallel diodes 1N4007 **without** DLS 2		–
SAKR-D TS 35	**029996**	
		25

Type	Cat.No.	Qty.
WSD 2.5	**105876**	
w/o components		–
WSD 2.5	**105866**	
with wire link		–
WSD 2.5	**105856**	
with diode 1N4007		–
WSD 2.5	**105846**	
with diode 1N4007		–
WTR 2.5 D	**101350**	
with WSD 2.5 105856		100
WTR 2.5 D	**101360**	
with WSD 2.5 105846		100
WTR 2.5 D	**101370**	
with WSD 2.5 105866		–
WTR 2.5 D	**101320**	
with test sockets and WSD 2.5 105856		–
WTR 2.5 D	**101330**	
with test socket and WSD 2.5 105846		–
WTR 2.5 D	**101340**	
with test socket and WSD 2.5 105866		–

Type	Cat.No.	Qty.
WTR 2.5 D	**801705**	
with diode 1N4007		100
WTR 2.5 D	**801682**	
with diode 1N4007		100
WTR 2.5 D	**on request**	
with 2 anti-parallel diodes 1N4007		100
WTR 2.5 D	**101460**	
with test socket and diode 1N4007		25
WTR 2.5 D	**101470**	
with test socket and diode 1N4007		25
WTR 2.5 D	**101480**	
with test socket and 2 antiparallel diodes 1N4007		25

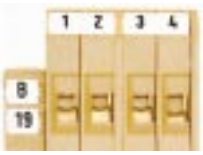
Maximum values for built-in components: length 23 mm, diameter 3.5 mm, output 0.5 Watt, limit temperature 100 °C

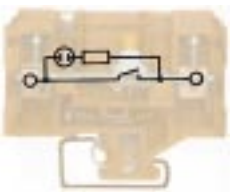
DQS 2
for 6 mm wide terminals

Longitudinal disconnect terminals
with indicator

SAKT 1 GL

SAKT 4 LD





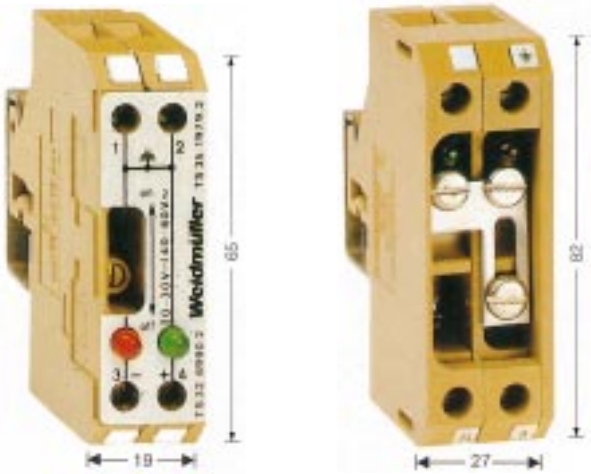
	Dimensions				
	Length	mm	65	65	58
	Height (incl. TS 32)	mm	52.5	52.5	43
	Terminal width (+ assembly tolerance 0.2)	mm	8	8	6
	Insulation stripping length	mm	12	12	10
	Connection data				
	Screw connection, solid		0.5…10 mm²	0.5…10 mm²	0.5…6 mm²
	Screw connection, flexible		0.5…6 mm²	0.5…6 mm²	0.5…4 mm²
	Conductor cross-section		AWG 20…8	AWG 20…8	AWG 22…12

DQS 2	DQS 2 with LED	**VDE rated data**			
1 A	–	Voltage	115 V~	230 V~	24 V–
1000 V	24 V	Current	27 A	27 A	27 A
–	–	Indicator current	≤ 0.5 mA	≤ 0.5 mA	≤ 5 mA
		Cross-section	6 mm²	6 mm²	4 mm²

Type	Cat.No.	Qty.	**Ordering data**	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
DQS 2	**047146**		Type									
with diode 1 N 4007		20	Cat.No. for TS 32 ⊏	SAKT 1 GL	**033352**	20	SAKT 1 GL	**033362**	50	SAKT 4 LD Socket for PS 2 mm dia. test plug	**025492**	25
DQS 2	**047156**		Type									
with wire link		20	Cat.No. for TS 32 ⊏							SAKT 4 LD Socket for PS 2.3 mm dia. test plug	**025502**	25
DQS 2	**047166**											
w/o components		20										
DQS 2	**026126**											
with LED red		20										
			Indicator	Neon lamp			Neon lamp			red LED		
			Accessories									
			Mounting rail (2 m long)	TS 32	**012280**	–	TS 32	**012280**	–	TS 32	**012280**	–
			End bracket (thickness mm)	EWK 1 (8.5)	**020616**	50	EWK 1 (8.5)	**020616**	50	EWK 1 (8.5)	**020616**	50
			End plate (thickness mm)	AP KrG (3)	**014672**	20	AP KrG (3)	**014672**	20	AP KrG (3)	**014672**	20
			Partition (thickness mm)	TW KrG (3)	**024292**	20	TW KrG (3)	**024292**	20			
				TW PA (1.5)	**024296**	20	TW PA (1.5)	**024296**	20			
				TW HP (0.5)	**047470**	20	TW HP (0.5)	**047470**	20			
			Small partition	TSch 2	**035366**	100	TSch 2	**035366**	100	TSch 2	**035366**	100
			Cross-connectors, individual	QL 2	**019430**	50	QL 2	**019430**	50	QL 2	**019430**	50
			Type: “QL“ (order VH and BS with it)	QL 3	**019440**	50	QL 3	**019440**	50	QL 3	**019440**	50
				QL 4	**019450**	50	QL 4	**019450**	50	QL 4	**019450**	50
				QL 10	**033830**	20	QL 10	**033830**	20	QL 10	**033830**	20
			Connection sleeve (fits QL)	VH 12	**024900**	100	VH 12	**024900**	100	VH 8	**026670**	100
			Fixing screw (fits QL) Cu Ni	BS M 3x20	**037710**	100	BS M 3x20	**037710**	100	BS M 3x15	**037720**	100
			Test-plug socket	StB 14	**016990**	50	StB 14	**016990**	50	StB 8.5 (ø 2)	**024460**	–
			Test plug (pin diameter)	PS (ø 4)	**029960**	20	PS (ø 4)	**029960**	20	PS (ø 2)	**029380**	20
			Cross-connection plug	QS 2	**027096**	20	QS 2	**027096**	20	PS (ø 2.3)	**018040**	20
			Cross-connection bridge	QB 2	**020570**	50	QB 2	**020570**	50	DQS 2 (ø 2)	**030026**	20
				QB 3	**020580**	50	QB 3	**020580**	50			
				QB 4	**020590**	50	QB 4	**020590**	50			
			Cross-connection slide	QB 10	**034380**	20	QB 10	**034380**	20			
				QVS 2	**030730**	20	QVS 2	**030730**	20			
				QVS 3	**032930**	20	QVS 3	**032930**	20			
				QVS 4	**030740**	20	QVS 4	**030740**	20			
			Connection sleeve for QVS	VH 19	**031800**	50	VH 19	**031800**	50			
			Fixing screw for QVS	BS 25	**033470**	50	BS 25	**033470**	50			
			Disconnect lock	SSP 3	**053176**	100	SSP 3	**053176**	100			

Note:
In order to maintain the creepage and clearance paths, an end plate must be installed between groups with different potentials!
Maximum values for built-in elements:
- Length 10 mm
- Diameter 4 mm
- Power 0.5 Watt
- Limit temperature 100 °C

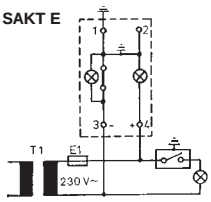
SAKT E/SAKA 10



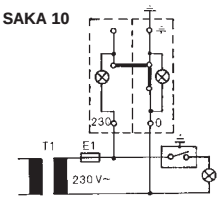
Modes of operation

Operating mode

SAKT E



SAKA 10

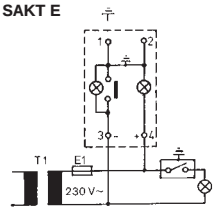


– Side link closed
– Auxiliary current circuit **earthed**
– "Green" indicator illuminated

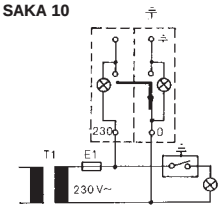
Test mode

For insulation measurements with voltages >U_{rated}, the earth connection must be disconnected.

SAKT E



SAKA 10



– Side link open
– Auxiliary current circuit **not earthed**
– **No** earth fault

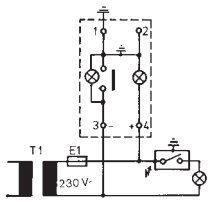
– "Green" and "red" indicators light up with reduced intensity — no indication

– Earth connection disconnect

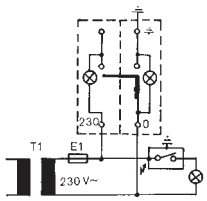
For insulation measurements with voltages >U_{rated}, the earth connection must be disconnect.

Operating mode

SAKT E



SAKA 10



– Side link open
– Auxiliary current circuit **not earthed**
– **Earth fault**
– "Red" indicator illuminated

Dimensions	**SAKT E/SAKA 10**				
Length mm	19/27				
Height (incl. TS32/TS35x7.5) mm	55/82				
Insulation stripping length mm	12				
Connection data					
Screw connection, solid	0.5…10 mm²/16 mm²				
Screw connection, flexible	0.5…6 mm²/10 mm²				
Conductor cross-section	AWG 20…8				
VDE rated data					
AC voltage	20…30 V~	40…60 V~	80…120 V~	115 V~	230 V~
DC voltage	10…15 V–	20…30 V–	40…60 V–	115 V–	230 V–
Current	27 A	27 A/47 A	27 A	27 A/47 A	27 A/47 A
Cross-section	6 mm²	6/10 mm²	6 mm²	6/10 mm²	6/10 mm²
Ordering data					
Type	SAKT E KrG	SAKT E KrG	SAKT E KrG	SAKT E KrG	SAKT E KrG
Cat.No. (6 mm²) for TS 32 ⊏	**115872**	**069902**	**069922**	**069892**	**060682**
Type	SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG
Cat.No. (6 mm²) for TS 35 ⊐	**116682**	**019792**	**019822**	**019802**	**019812**
Type		SAKA 10			SAKA 10
Cat.No. (10 mm²) for TS 32 ⊏		(24 V~) **117492**			(only 230 V~) **117502**
Type		SAKA 10		SAKA 10	SAKA 10
Cat.No. (10 mm²) for TS 32 ⊏/TS 35 ⊐		(24 V–) **815015**		(115 V~) **112882**	(230 V~) **810913**

Accessories	Type	Cat.No.		Qty.	
Mounting rail (2 m long)	TS 32	**012280**		–	
	TS 35	**038340**		–	
End bracket (thickness 8.5 mm) for TS 32 ⊏	EWK 1	**020616**		50	
for TS 35 ⊐	EW 35	**038356**		50	

Earthing auxiliary circuits

"Earth vaults in control current circuits must not lead to unintentionable start-up or dangerous movements of a machine, or prevent shut-down of a machine. In order to fulfil this requirement, one side of the control current circuits should be connected to the protective conductor system and the coils and switch elements should be correspondingly arranged.
For a control current circuit which is not connected to the protective conductor system and supplied by a transformer, an insulation monitoring unit must be included that reports an earth fault and automatically switches of the circuit following an earth fault."
(VDE 01136.2.2)
Our earth test/disconnect terminals were specially designed for use in control current circuits. They are designed so that reliable and rapid disconnection from earth connection and an exact display of the operating statuses are guaranteed. The mode of operation makes a distinction between three different conditions:

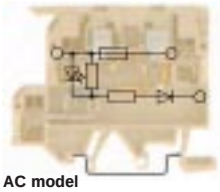
1. Operating mode
In operating mode, the control current circuit is solidly connected to the earth connection via the closed side link. In this way, a possible earth fault can be detected with the help of a fuse and/or an r.c.c.b. because the leakage current can be discharged to earth in the event of a fault.
2. Test mode
The test mode makes it possible to check the insulation condition of the installation. The earth connection must be disconnected for insulation measurements with voltages greater than the rated voltage of the earth test/disconnect terminal.
3. Fault mode
If an earth fault occurs during operation in an earthed control circuit , our earth test/disconnect terminals make it possible to switch to a non-earthed control-circuit. This bridges the time required to correct the fault, i.e. the machine can continue to operate.

Fuse terminals
with fault indicator

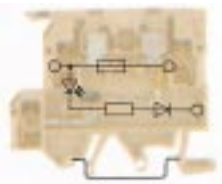
ASK 1 LD
Fuse cartridge 5 x 20
only 805081

Warning:
in the event of a faulty fuse, the connected circuit is live!

KDKS 1
Fuse cartridge 5 x 20/5 x 25



AC model



DC model

Warning:
in the event of a faulty fuse, the connected circuit is live!

WSI 6 LD
Fuse cartridge 5 x 20
5 x 25
5 x 30
with LED indicator
for **AC or DC voltage**

WSI 6 2 LD

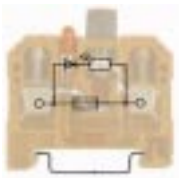
Dimensions											
Terminal width (+ assembly tolerance 0.2)	mm	8			8			8			8		
Insulation stripping length	mm	9			9			12			12		
Connection data													
Screw connection, solid		0.5…4 mm²			0.5…4 mm²			0.5…10 mm²			0.5…10 mm²		
Screw connection, flexible		0.5…4 mm²			0.5…4 mm²			0.5…10 mm²			0.5…10 mm²		
Conductor cross-section		AWG 22…12			AWG 22…12			AWG 20…8			AWG 22…12		
VDE rated data													
Current		6.3 A			6.3 A			6.3 A			6.3 A		
Voltage					24…230 V (depending on terminal)								
LED current (24…60 V)		≤ 2 mA						≤ 2 mA			≤ 2 mA		
LED current (115…230 V)		≤ 2 mA						≤ 2.5 mA			≤ 2.5 mA		
LED current (24…230 V)					≤ 2 mA								
Incandescent lamp current		–			–			–			–		
Neon lamp current		–			–			–			–		
Cross-section		4 mm²			4 mm²			10 mm²			10 mm²		
Ordering data		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	24 V–	ASK 1 LD	**022276**	25	KDKS 1	**980272**	25				WSI 6	**101270**	50
	48 V–	ASK 1 LD	**022526**	25	KDKS 1	**980274**	25				WSI 6	**805575**	50
	60 V–	ASK 1 LD	**022646**	25							WSI 6	**813395**	50
	110 V–	ASK 1 LD	**022546**	25	KDKS 1	**980276**	25						
	240 V–	ASK 1 LD	**022566**	25	KDKS 1	**980278**	25						
	24 V~	ASK 1 LD	**022286**	25	KDKS 1	**980272**	25						
	48 V~	ASK 1 LD	**022536**	25	KDKS 1	**980274**	25						
	60 V~	ASK 1 LD	**022636**	25									
	110 V~	ASK 1 LD	**022556**	25	KDKS 1	**980276**	25						
	240 V~	ASK 1 LD	**022576**	25	KDKS 1	**980278**	25						
	12 Vdc/24 Vac							WSI 6	**101130**	50			
	20–30 Vdc/40–60 Vac							WSI 6	**101220**	50			
	40–60 Vdc/80–120 Vac							WSI 6	**101230**	50			
	110 Vdc/240 Vac							WSI 6	**101240**	50			
		Mountable on TS 32 and TS 35			Mountable on TS 32 and TS 35			Mountable on TS 35			Mountable on TS 35		
Accessories													
Mounting rail		TS 32	**012280**	–	TS 32	**012280**	–						
		TS 35x7.5	**038340**	–	TS 35x7.5	**038340**	–	TS 35x7.5	**038340**	–	TS 35x7.5	**038340**	–
		TS 35x15	**049800**	–	TS 35x15	**049800**	–	TS 35x15	**049800**	–	TS 35x15	**049800**	–
End bracket (thickness mm)	for TS 32 ⊓	EWK 1	**020616**	50									
	for TS 35 ⊏	EW 35	**038356**	50	EW 35	**038356**	50	EW 35	**038356**	50	EW 35	**038356**	50
End plate (thickness mm)		AP PA (1.5)	**038036**	20	AP KDKS	**950334**	20	WAP 2.5…10	**105000**	50	WAP 2.5…10	**105000**	50
Cross-connection brackets								QL 2	**019430**	50	QL 2	**019430**	50
Type “QL”								QL 3	**019440**	50	QL 3	**019440**	50
								QL 4	**019450**	50	QL 4	**019450**	50
								QL 10	**033830**	20	QL 10	**033830**	20
Cross-connection bridges		QB 2[1])	**046110**	100	QB 2[1])	**046110**	50						
Type “QB”		QB 3[1])	**046120**	50	QB 3[1])	**046120**	50						
		QB 4[1])	**046130**	50	QB 4[1])	**046130**	50						
	Straight				QB 58[1])	**054540**	–						
	Angled				QB 58[1])	**054530**	–						
Fixing screw (matches QL)								BS M 3 x 5	**105210**	10	BS M 3 x 5	**105210**	10
Disconnect lever (spare)		TH (spare)	**037706**	100									

[1]) When using QB, the rated cross-section reduces to max. 2.5 mm²

Fuse terminals
with fault indicator

SAKS 1

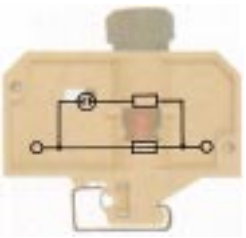
Fuse cartridge 5 x 20/5 x 25



Warning:
In the event of a faulty fuse, the connected circuit is live!

SAKS 4

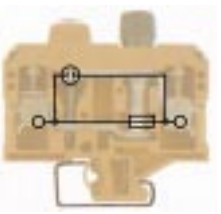
Fuse cartridge E14/D 01
(e.g. Neozed D 01)



Warning:
In the event of a faulty fuse, the connected circuit is live!

SAKS 6

Fuse cartridge 11/4" x 1/4"
to DEF 63



Warning:
In the event of a faulty fuse , the connected circuit is live!

Dimensions					
Terminal width (+ assembly tolerance 0.2)		mm	13	24	13
Insulation stripping length		mm	12	14	12
Connection data					
Screw connection, solid			0.5…16 mm^2	0.5…16 mm^2	0.5…16 mm^2
Screw connection, flexible			0.5…10 mm^2	0.5…10 mm^2	0.5…10 mm^2
Conductor cross-section			AWG 20…8	AWG 20…7	AWG 20…8
VDE rated data					
Voltage/current			–/10 A	–/16 A	500 V~/10 A
LED current (24…60 V)			≤ 5 mA	–	10 A
LED current (115…230 V)			–	–	≤ 1 mA
Incandescent lamp current			≤ 50 mA	–	
Neon lamp current			≤ 0.5 mA	≤ 1 mA	≤ 1 mA
Cross-section			10 mm^2	10 mm^2	10 mm^2

Ordering data		Voltage	⊏ TS 32 Qty.	⊐ TS 35 Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Fuse cartridge			SAKS 1 LD		**SAKS 4**			**SAKS 6 KrG**	**053182**	40
5 x 20	LED	24 V–	**037142** 10	**022582** 10	TS 32 Neon lamp			for 1¼" x ¼" to DEF 63		
		24 V~	**111122** 10	**111132** 10				for exchangeable neon lamps		
		48 V–	**012172** 10	**022602** 10				(please order separately)		
		48 V~	**021392** 10	**021402** 10	Voltage					
			SAKS 1 GL		110 V≈	**010182**	10			
	Incandescent lamp	24 V≈	**037172** 10	**017322** 10	240 V≈	**010192**	10			
		48 V≈	**037892** 10	**017312** 10	380 V≈	**010202**	10			
			SAKS 1 GL		480 V≈	**010212**	10			
	Neon lamp	110 V≈	**038532** 10							
		240 V≈	**030612** 10	**019992** 10						
Fuse cartridge			SAKS 1 LD							
5 x 25	LED	24 V–	**040782** 10	on request						
			SAKS GL							
	Incandescent lamp	24 V≈	**038802** 10	on request						
		48 V≈	**038812** 10	on request						
			SAKS 1 GL							
	Neon lamp	110 V≈	**038522** 10	–						
		240 V≈	**030932** 10	**019862** 10						

Accessories		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Mounting rail		TS 32	**012280**	–	TS 32	**012280**	–	TS 32	**012280**	–
		TS 35x7.5	**038340**	–						
		TS 35x15	**049800**	–						
End bracket (thickness mm)	for TS 32 ⊐	EWK 1 (8.5)	**020616**	50	EWK 1 (8.5)	**020616**	50	EWK 1 (8.5)	**020616**	50
	for TS 35 ⊏	EW 35 (8.5)	**038356**	50						
End plate (thickness mm)		AP Melamine (3)	019132	20				AP Melamine	**014672**	20
Cross-connection brackets					QL 2	**019140**	50	QL 2	**019140**	50
Type "QL"					QL 3	**019150**	50	QL 3	**019150**	50
Cross-connection bridges					QL 4	**019160**	20	QL 4	**019160**	20
Type "QB"					QL 10	**033880**	20	QL 10	**033880**	20
Fixing screw (matches QL)					BS M 3x6 m. SS	**034620**	100	BS M 3x6 m. SS	**034620**	100
Screw cap (spare)		SK (5 x 20)	**028210**	20						
		SK (5 x 25)	**028200**	100						
Neon lamp								Neon lamp 230 V~	**055030**	–
								Neon lamp 115 V~	**055020**	–

List of Preferred Cartridge Fuses

For use with

Terminal Type	Cat. No.
KSK 1	389742
ASK 1	037676
KDKS 1	950330
WSI 6	101100

Non indicator cartridge fuse 20 x 5mm to IEC 127 CEE 4 Type 1 DIN 41660

250 volts

Rating	Cat. No.
0.10	043030
0.20	043040
0.25	043050
0.50	043060
1.00	043070
1.60	043080
2.00	043090
2.50	043100
3.15	043110
4.00	043120
5.00	043130
6.30	043140

Terminal Type	Cat. No.
SAKS 1	019112

Indicator cartridge fuse 25 x 5mm to DIN 41576/CEE 250 volts

Rating	Cat. No.
0.08	042900
0.10	042910
0.125	042920
0.16	042930
0.20	042940
0.25	054690
0.40	042960
0.50	051030
0.80	064640
1.00	026580
1.25	042990
1.60	051740
2.00	068030
4.00	068040
6.30	068050
10.00	019310

Terminal Type	Cat. No.
KSK 2	389752
WSI 6/2	101400

Cartridge fuse 1" x ¼" to BS 1362 250 volts

Rating	Cat. No.
1	043240
2	024510
3	043250
5	024520
7	045860
10	024530
13	024540

Terminal Type	Cat. No.
KSK 3, KSK 3F	389762, 389772
SAKS 6	053182
WSI 6/2	101400

Cartridge fuse 1¼" x ¼" to DEF59-96 Size 'O' 440 volts

(characteristic curves are shown on opposite page)

Rating	Cat. No.
0.25	043180
0.50	043190
1	043200
2	029450
3	029470
5	029460
7	029580
10	029390

Terminal Type	Cat. No.
SAKS 4	032132

Indicating neozed fuse suitable for 380/415 volt applications

Rating	Type	Cat. No.
6	E 14/6	032830
10	E 14/10	032840
16	E 14/16	032850

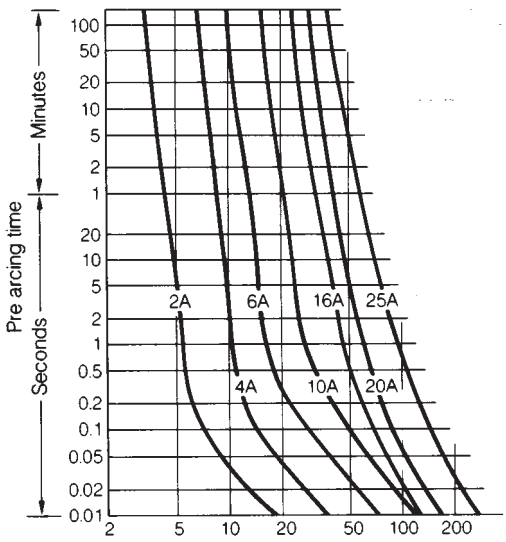
The fitting of gauge rings is recommended when using fuses of a low rating

Terminal Type	Cat. No.
SAKS 2	020682

HRC fuse cartridge 500 volts

Rating	Type	NDZ Cat. No	TNDZ Cat. No.
2	E 16/2	031740	046560
4	E 16/4	031750	046570
6	E 16/6	031760	046580
10	E 16/10	020850	046590
16	E 16/16	020860	045140
20	E 16/20	020870	045150
25	E 16/25	020880	045160

The fitting of gauge rings is recommended when using fuses of a low rating



Mean current/time characteristics of 500 V quick response fuse

Timelag TNDZ types also available

Terminal Type	Cat. No.
SAKS 5	035942

Neozed fuse suitable for 400 volt applications

Rating	Type	Cat. No.
20	E 18/20	036130
25	E 18/25	036140
35	E 18/35	036150
50	E 18/50	036160
63	E 18/63	036170

The fitting of gauge rings is recommended when using fuses of a low rating

Fuse characteristic curves are not included but you are invited to ask our Technical Department for any assistance.

Gauge Rings	Type		Cat. No.
for E 14 fuses	P 14/6	6A	032860
	P 14/10	10A	032870
for E 16 fuses	P 16/2	2A	031770
	P 16/4	4A	031780
	P 16/6	6A	031790
	P 16/10	10A	020890
	P 16/16	16A	020900
	P 16/20	20A	020910
for E 18 fuses	P 18/20	20A	036180
	P 18/25	25A	036190
	P 18/35	35A	036200
	P 18/50	50A	036210

TS 15

Feed-through terminals
PE-terminals
Fuse terminals
Disconnect terminals

	AKZ 1.5 AKZ 1.5/10	AKZ 2.5	AKZ 4 AKZ 4/10	AKZ 4 For test adapter AKZ 4/10 For test adapter
Dimensions				
Width/length/height (mm) With TS 15 ⊔	5/25/25	5/25.5/27	6/27/30	60/27/30
Insulation stripping length/clamping screw/blade size	7 mm/M 2.5/3.0 x 0.5	7 mm/M 2.5/3.0 x 0.5	9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	250 V/17.5 A/1.5 mm²	250 V/24 A/2.5 mm²	400 V/32 A/4 mm²	400 V/32 A/4 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	4 kV/3	4 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.4…0.7	0.4…0.7	0.5…1.0	0.5…1.0
Tightening torque with DMS2 electric screwdriver	1	1	2	2
Clampable conductors				
"e" solid H07V-U mm²	0.5…2.5	0.5…4	0.5…4	0.5…4
"m" stranded H07V-R mm²	1.5	1.5…2.5	1.5…4	1.5…4
"f" flexible H07V-K mm²	0.5…1.5	0.5…2.5	0.5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…1.5	0.5…2.5	0.5…4	0.5…4
"f" flexible H07V-K and AEH with plastic insul. collar mm²	0.5…1.5	0.5…2.5	0.5…4	0.5…4
Gauge pin to 947-1 Size	A 1	A 3	A 3	A 3
Cont. current of cross-connection 2-pole A	10	20	20	20
Cont. current of cross-connection multi-pole A	10	20	20	20
UL/CSA rated data				
Voltage/current/conductor size UL	150 V/15 A/22…14 AWG	300 V/10 A/22…12 AWG	300 V/27A/22…12 AWG	300V/27 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/10 A/24…16 AWG	300 V/10 A/26…10 AWG	300 V/10 A/24…12 AWG	300 V/10 A/24…12 AWG

Ordering data

Type	⊔ TS 15	Cat.No.	Qty.	⊔ TS 15	Cat.No.	Qty.	⊔ TS 15	Cat.No.	Qty.	⊔ TS 15	Cat.No.	Qty.
Melamine								**029432**	100			
Polyamide		**034046**	100	(with spigot)	**069716**	100		**029436**	100	For test adapter	**153826**	100
Blue Polyamide		**034048**	100	(with spigot)	**069718**	100		**029438**	100			
Polyamide	(10p. w/o ma.)	**035806**	10	(w/o spigot)	**017596**	100	(10-p. w/o ma.)	**035956**	10	w.mark/f.test ad.	**148936**	10
Polyamide	(10p. w/mark.)	**035816**	10	AKZ 2.5 w/ AP	**038586**	50	(10p. w/ mark))	**035966**	10	ATA 1pole.	**163253**	25
[1]Test adapter ATA 1…										ATA 10pole.	**163324**	5

End plate (thickness mm)

Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Melamine						AP (1.5)	**029442**	20			
Melamine											
Polyamide	AP (1.5)	**034056**	50	AP (2.5)	**069736**	50	AP (1.5)	**029446**	20	AP (1.5)	**029446**	20
Blue Polyamide				AP (2.5)	**069738**	50	AP (1.5)	**029448**	20			

Partition (thickness mm)

Melamine						TW (2.0)	**011890**	20			
Stamin											
Polyamide				TW (1.5)	**031856**	20	TW (0.5)	**034826**	50	TW (0.5)	**034826**	50
Blue Polyamide				TW (1.5)	**031858**	20					

Small partition

Polyamide						TSch 4	**036336**	100	TSch 4	**036336**	100

Cross-connection

	Q 2	**036820**	50	Q 2	**036820**	50	Q 2	**033640**	50	Q 2	**033640**	50
	Q 3	**036830**	50	Q 3	**036830**	50	Q 3	**033650**	50	Q 3	**033650**	50
	Q 4	**036840**	50	Q 4	**036840**	50	Q 4	**033660**	50	Q 4	**033660**	50
	Q 5	**066030**	20	Q 5	**066030**	20						
Q 3	Q 10	**036850**	20	Q 10	**036850**	20	Q 10	**036860**	20	Q 10	**036860**	20

Switchable cross-connection link

						VL 2	**044670**	50	VL 2	**044670**	50
						VH 10	**044660**	100	VH 10	**044660**	100
VL	BS	VH				BS M 2.5x14	**026680**	100	BS M 2.5x14	**026680**	100

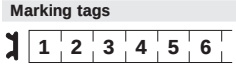
Cover/cover profile for shock protection*

				dekafix can be snapped over		AD 4	**030340**	50	AD 4	**030340**	50
				cross-connection slot		BSK M2.5 x 18	**030330**	100	BSK M2.5 x 18	**030330**	100
						ADP 4[2])	**137816**	10	ADP 4[2])	**137816**	10

Test plug/socket

Plug/test socket usable without QL	StB 8.5	**021570**	50	StB 8.5	**021570**	50	StB 8.5	**021570**	50	StB 8.5	**021570**	50
PS StB	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20

Marking tags — **Print**



Consecutive horizontal	FW 5	**047346**	500	FW 5	**047346**	500	FW 6	**046866**	500	FW 6	**046866**	500
Consecutive vertical	FS 5	**047356**	500	FS 5	**047356**	500	FS 6	**046876**	500	FS 6	**046876**	500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* For Polyamide terminals only

[1]) Test adapter with crimped cables on request

[2]) 300 mm long

AK 4/10

60/32/34	
9 mm/M 3/3.5 x 0.6	
690 V/32 A/4 mm²	
8 kV/3	
0.5…1.0	
2	
0.5…4	
1.5…4	
0.5…4	
0.5…4	
0.5…4	
A 3	
20	
20	
600 V/27 A/22...12 AWG	
600 V/20 A/24…12 AWG	

TS 15	Cat.No.	Qty.
	048956	100
(10p.w/o mark.)	**036656**	10
(10p.w/mark.)	**046956**	10

Type	Cat.No.	Qty.
BB 3 (6.0)	**036666**	50
Combined AP + end bracket		
TW/AP (1.5)	**133176**	50
TSch 4	**036336**	100
Q 2	**036900**	50
Q 3	**036910**	50
Q 4	**036920**	50
Q 10	**036930**	20
AD 4	**030340**	50
BSK M 2.5x18	**030330**	100
StB 8.5	**021570**	50
PS 2.3	**018040**	20
FW 6	**046866**	500
FS 6	**046876**	500

AKE 2.5

5/28/27	
7 mm/M 2.5/3.0 x 0.5	
–/–/2.5 mm²	
4 kV/3	
0.4…0.7	
1	
0.5…4	
1.5…2.5	
0.5…2.5	
0.5…2.5	
0.5…2.5	
A 3	
–/–/22…12 AWG	
–/–/26…12 AWG	

TS 15	Cat.No.	Qty.
	130336 (green/yellow)	100

Type	Cat.No.	Qty.
FW 5	**047346**	500
FS 5	**047356**	500

AKE 4

7/32/34	
9 mm/M 3/3.5 x 0.6	
–/–/4 mm²	
8 kV/3	
0.5…1.0	
2	
0.5…4	
1.5…4	
0.5…4	
0.5…2.5	
0.5…2.5	
A 3	
–/–/22…12 AWG	
–/–/26…12 AWG	

TS 15	Cat.No.	Qty.
	038026 (green/yellow)	100

Type	Cat.No.	Qty.
FW 5	**047346**	500
FS 5	**047356**	500

AKE 4 MS

7/27.5/30	
9 mm/M 3/3.5 x 0.6	
–/–/4 mm²	
0.8…1.6	
3	
0.5…4	
1.5…4	
0.5…4	
0.5…4	
0.5…4	
A 3	
–	
–/–/22…14 AWG	

TS 15	Cat.No.	Qty.
	021120	50

ASK 1

8/58/34	
9 mm/M 3/3.5 x 0.6	
500 V/6.3 A*/4 mm²	
6 kV/3	
0.5…1.0	
2	
0.5…4	
1.5…4	
0.5…4	
0.5…2.5	
0.5…2.5	
A 3	
(QB 2…4) 10	
300 V/10 A/22...12 AWG	
300 V/6.3 A/26…12 AWG	

TS 15	Cat.No.	Qty.
	037686	100
5 x 20 without indicator		

Type	Cat.No.	Qty.
AP (1.5)	**038036**	20
QB 2[1])	**046110**	100
QB 3[1])	**046120**	50
QB 4[1])	**046130**	50
3-pole ganging with SchS 2 marking tag carrier (Cat.No. **033740**)		
* With contact sleeve 19 A		
Contact sleeve	**055330**	100
FW 6.5	**046816**	500
FS 6.5	**046826**	500

SAKR

With 2 Plugs or
With 2 Clamping screws

6.5/42/45	
8 mm/M 3/3.5 x 0.6	
400 V[2])/10 A/4 mm²	
6 kV/3	
0.5…1.0	
2	
0.5…4	
1.5…4	
0.5…4	
0.5…4	
0.5…4	
A 3	
(QB 2…4) 10	
300 V/10 A/22...12 AWG	
300 V/10 A/26…12 AWG	

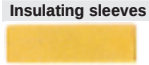
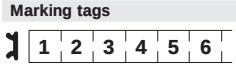
TS 15	Cat.No.	Qty.
With 2 StB	**041286**	100
With indicator	**041276**	100

Type	Cat.No.	Qty.
AP (1.5)	**021136**	20
QB 2[1])	**048270**	100
QB 3[1])	**048280**	50
QB 4[1])	**048290**	50
QB 25[1])	**013400**	20
PS 2.3	**018040**	20
FW 6.5	**046816**	500
FS 6.5	**046826**	500

[1]) When using QB, the conductor cross-section is reduced to max. 2.5 mm²

[2]) As disconnect terminal: 250 V rated voltage

Feed-through terminals
Tab connection
Solder connection

		AKZ 4 SS	AKZ 4 SS	AKZ 4 S	AKZ 4 SF
Dimensions					
Width/length/height (mm)	With TS 15 ⊔	6/28.5/30.5	6/28.5/30.5	6/27/30	6/27/30
Insulation stripping length/clamping screw/blade size				9 mm/M 3/3.5 x 0.6	9 mm/M 3/3.5 x 0.6
Rated data					
Rated voltage/current/cross-section		400 V/8 A/2.5/1 mm²	400 V/8 A/1 mm²	400 V/8 A/4/1 mm²	400 V/8 A/4/1 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity		6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data					
Tightening torque range	Nm			0.5…1.0	0.5…1.0
Tightening torque with DMS2 electric screwdriver				2	2
Clampable conductors					
"e" solid H07V-U	mm²			0.5…4	0.5…4
"m" stranded H07V-R	mm²			1.5…4	1.5…4
"f" flexible H07V-K	mm²			0.5…4	0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1	mm²			0.5…4	0.5…4
"f" flexible H07V-K and AEH with plastic insul. collar	mm²			0.5…4	0.5…4
Gauge pin to 947-1	Size			A 3	A 3
Cont. current of cross-connection 2-pole	A	20	20	20	20
Cont. current of cross-connection multi-pole	A	20	20	20	20
UL/CSA rated data					
Voltage/current/conductor size	UL	–	–	150 V/20 A/22…12 AWG	–
Voltage/current/conductor size	CSA	300 V/10 A/24…12 AWG	300 V/10 A/24…12 AWG	300 V/10 A/24…12 AWG	300 V/10 A/24…12 AWG
Ordering data	Type	⊔ TS 15 Cat.No. Qty.	⊔ TS 15 Cat.No. Qty.	⊔ TS 15 Cat.No. Qty.	⊔ TS 15 Cat.No. Qty.
	Melamine				
	Polyamide	**032456** 100	**036246** 100	**032446** 100	**015876** 100
	Blue Polyamide				
	Polyamide				
End plate (thickness mm)		Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
	Polyamide	AP (1.5) **029446** 20	AP (1.5) **029446** 20	AP (1.5) **029446** 20	AP (1.5) **029446** 20
	Polyamide				
	Blue Polyamide				
	HP				
	HP				
Partition (thickness mm)					
	Polyamide	TW (0.5) **034826** 50	TW (0.5) **034826** 50	TW (0.5) **034826** 50	TW (0.5) **034826** 50
	HP				
	HP				
Small partition					
Cross-connection					
		Q 2 **036900** 50	Q 2 **036900** 50	Q 2 **033640** 50	Q 2 **033640** 50
		Q 3 **036910** 50	Q 3 **036910** 50	Q 3 **033650** 50	Q 3 **033650** 50
		Q 4 **036920** 50	Q 4 **036920** 50	Q 4 **033660** 50	Q 4 **033660** 50
		Q 10 **036930** 20	Q 10 **036930** 20	Q 10 **036860** 20	Q 10 **036860** 20
Switchable cross-connection link					
VL BS VH				VL 2 **044670** 50 VH 10 **044660** 100 BS M 2.5x14 **026680** 100	VL 2 **044670** 50 VH 10 **044660** 100 BS M 2.5x14 **026680** 100
Test plug/socket					
	Plug/test socket ø 2.3	StB 8.5 **021570** 100	StB 8.5 **021570** 100	StB 8.5 **021570** 100	StB 8.5 **021570** 100
PS StB		PS 2.3 **018040** 100	PS 2.3 **018040** 100	PS 2.3 **018040** 100	PS 2.3 **018040** 100
Cover					
Insulating sleeves					
		IH 2.8 **038606** 100 IH 6.3 **038626** 100	IH 2.8 **038606** 100	IH 2.8 **038606** 100	IH 2.8 **038606** 100 IH 6.3 **038626** 100
Marking tags	**Print**				
	Consecutive horizontal	FW 6 **046866** 500	FW 6 **046866** 500	FW 6 **046866** 500	FW 6 **046866** 500
	Consecutive vertical	FS 6 **046876** 500	FS 6 **046876** 500	FS 6 **046876** 500	FS 6 **046876** 500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

AKZ 1.5 L

5/34.5/25	
7 mm/M 2.5/3.0 x 0.5	
250 V/16 A/1.5 mm²	
4 kV/3	
0.4…0.7	
1	
0.5…2.5	
1.5	
0.5…1.5	
0.5…1.5	
0.5…1.5	
A 1	
20	
20	
–	
150 V/10 A/24…16 AWG	

TS 15	Cat.No.	Qty.
	034016	100

Type	Cat.No.	Qty.
AP (1.5)	**032966**	20
TW (0.5)	**016680**	100
Q 2	**036820**	100
Q 3	**036830**	50
Q 4	**036840**	50
Q 10	**036850**	10
StB 8.5	**021570**	50
PS 2.3	**018040**	100
FW 5	**047346**	500
FS 5	**047356**	500

AKZ 4 L

6/35.5/30	
9 mm/M 3/3.5 x 0.6	
250 V/16 A/4/1.5 mm²	
4 kV/3	
0.5…1.0	
2	
0.5…4	
1.5…4	
0.5…4	
0.5…4	
0.5…4	
A 3	
20	
20	
300 V/20 A/22…12 AWG	
300 V/10 A/24…12 AWG	

TS 15	Cat.No.	Qty.
	033482	100
	033486	100
	033488	100

Type	Cat.No.	Qty.
AP (1.5)	**029442**	20
AP (1.5)	**029446**	20
AP (1.5)	**029448**	20
TW (0.5)	**034826**	50
TSch 4	**036336**	100
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5 x 14	**026680**	100
StB 8.5	**021570**	50
PS 2.3	**018040**	100
AD 4	**030340**	50
BSK M 2.5x18	**030330**	100
FW 6	**046866**	500
FS 6	**046876**	500

AL 1

6.5/32/21	
400 V/16 A/1 mm²	
6 kV/3	
0.5…1	
0.5…1	
–	
–	

TS 15	Cat.No.	Qty.
	013732	100

Type	Cat.No.	Qty.
EP (1.0)	**016410**	100
EP (1.0 tr.proof)	**016450**	100
TW (0.5)	**016680**	50
FW 6.5	**046816**	500
FS 6.5	**046826**	500

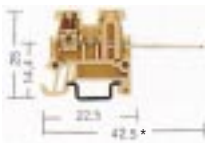
AKZ 4 LL

6/44/30	
250 V/16 A/1.5 mm²	
4 kV/3	
0.5…1.5	
1.5	
0.5…1.5	
20	
20	
300 V/20 A/22…12 AWG	
300 V/10 A/24…12 AWG	

TS 15	Cat.No.	Qty.
	034646	100

Type	Cat.No.	Qty.
AP (1.5)	**029446**	20
TW (0.5)	**034826**	50
TSch 4	**036336**	100
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	100
BS M 2.5 x 14	**026680**	100
StB 8.5	**021570**	50
PS 2.3	**018040**	100
AD 4	**030340**	50
BSK M 2.5x18	**030330**	100
FW 6	**046866**	500
FS 6	**046876**	500

Feed-through terminals
Screw connection
Spring clip connection to DIN 41611 Part 4
Wrap connections to DIN/IEC 352 Part 1



* 035786 = 45 mm

		AKZ 1.5 T	AKZ 1.5 T	AKZ 1.5 T	AKZ 2.5 K
Dimensions					
Width/length/height (mm)	With TS 15 ⊔	5/25/45	5/25/39.5	5/28/44	5/26/46.7
Pin length		0.8 x 1.6	1 x 1	0.8 x 1.6	0.8 x 1.6
Insulation stripping length/clamping screw/blade size		7 mm/M 2.5/3.0 x 0.5	7 mm/M 2.5/3.0 x 0.5	7 mm/M 2.5/3.0 x 0.5	7 mm/M 2.5/3.0 x 0.5
Rated data					
Rated voltage/current/cross-section		125 V/8 A/1.5 mm²	125 V/8 A/1.5 mm²	125 V/8 A/1.5 mm²	125 V/10 A/2.5 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity		2.5 kV/3	2.5 kV/3	2.5 kV/3	2.5 kV/3
Further technical data					
Tightening torque range	Nm	0.4…0.7	0.4…0.7	0.4…0.7	0.4…0.7
Tightening torque with DMS2 electric screwdriver		1	1	1	1
Clampable conductors					
"e" solid H07V-U	mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…4
"m" stranded H07V-R	mm²	1.5	1.5	1.5	1.5…2.5
"f" flexible H07V-K	mm²	0.5…1.5	0.5…1.5	0.5…1.5	0.5…2.5
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…1.5	0.5…1.5	0.5…1.5	0.5…2.5
"f" flexible H07V-K and AEH plastic insul. collar	mm²	0.5…1.5	0.5…1.5	0.5…1.5	0.5…2.5
Gauge pin to 947-1	Size	A1	A1	A1	A3
Cont. current of cross-connection 2-pole	A	10	10	10	10
Cont. current of cross-connection multi-pole	A	10	10	10	10
UL/CSA rated data					
Voltage/current/conductor size	UL	300 V/10 A/26…14 AWG	300 V/10 A/26…14 AWG	300 V/10 A/26…14 AWG	300 V/10 A/26…14 AWG
Voltage/current/conductor size	CSA	300 V/10 A/24…16 AWG		300 V/10 A/24…16 AWG	300 V/10 A/26…10 AWG

Ordering data — **Pin versions**

Pin versions		AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 2.5 K	Cat.No.	Qty.
0.6 x 0.6													
1.0 x 1.0													
0.8 x 1.6	Horizon.	AKZ 1.5 W	**032946**	100			100	AKZ 1.5 T	**041036**	100	AKZ 2.5 K	**069646**	100
	Vertical										AKZ 2.5 K	**069656**	100
0.8 x 2.4	Horizon.												
	Vertical												

Horizontal assembly — Vertical assembly

End plate (thickness mm)

	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 2.5 K	Cat.No.	Qty.
Polyamide	AP (1.5)	**034056**	50	AP (1.5)	**034056**	50	AP (1.5)	**034056**	50	AP (2.5)	**069726**	50

Partition (thickness mm)

	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 2.5 K	Cat.No.	Qty.
Polyamide										TW (1.5)	**031856**	20

Small partition

Cross-connection

Q 3

	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 2.5 K	Cat.No.	Qty.
2-pole	Q 2	**036820**	50	Q 2	**036820**	50	Q 2	**036820**	50	Q 2	**036820**	50
3-pole	Q 3	**036830**	50	Q 3	**036830**	50	Q 3	**036830**	50	Q 3	**036830**	50
4-pole	Q 4	**036840**	50	Q 4	**036840**	50	Q 4	**036840**	50	Q 4	**036840**	50
10-pole	Q 10	**036850**	20	Q 10	**036850**	20	Q 10	**036850**	20	Q 10	**036850**	20

Switchable cross-connection link

VL

BS

VH

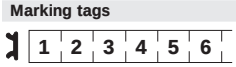
Test plug/socket

	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 2.5 K	Cat.No.	Qty.
Plug/test socket ø 2.3 mm	StB 8.5	**021570**	50	StB 8.5	**021570**	50	StB 8.5	**021570**	50	StB 8.5	**021570**	50

PS — StB

	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 2.5 K	Cat.No.	Qty.
	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20	PS 2.3	**018040**	20

Marking tags — **Print**



	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 1.5 T	Cat.No.	Qty.	AKZ 2.5 K	Cat.No.	Qty.
Consecutive horizontal	FW 5	**047346**	500	FW 5	**047346**	500	FW 5	**047346**	500	FW 5	**047346**	500
Consecutive vertical	FS 5	**047356**	500	FS 5	**047356**	500	FS 5	**047356**	500	FS 5	**047356**	500

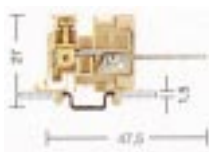
Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

AKZ 2.5 K

5/26/46.7	
0.8 x 1.6	
7 mm/M 2.5/3.0 x 0.5	
250 V/8 A/2.5 mm^2	
4 kV/3	
0.4…0.7	
1	
0.5…4	
1.5…2.5	
0.5…2.5	
0.5…2.5	
0.5…2.5	
A3	
10	
10	
300 V/10 A/26…14 AWG	
300 V/10 A/26…10 AWG	

Type	Cat.No.	Qty.
AKZ 2.5 K	**069546**	100
AKZ 2.5 K	**069556**	100
AKZ 2.5 K	**069576**	100
AKZ 2.5 K	**069566**	100
AP (2.5)	**069726**	50
TW (1.5)	**031856**	20
Q 2	**036820**	50
Q 3	**036830**	50
Q 4	**036840**	50
Q 10	**036850**	20
StB 8.5	**021570**	50
PS 2.3	**018040**	20
FW 5	**047346**	500
FS 5	**047356**	500

AKZ 2.5 K



5/47.5/27	
0.8 x 1.6	
7 mm/M 2.5/3.0 x 0.5	
250 V/8 A/2.5 mm^2	
4 kV/3	
0.4…0.7	
1	
0.5…4	
1.5…2.5	
0.5…2.5	
0.5…2.5	
0.5…2.5	
A3	
10	
10	
300 V/10 A/26…14 AWG	
300 V/10 A/26…10 AWG	

Type	Cat.No.	Qty.
AKZ 2.5 K	**069586**	100
AKZ 2.5 K	**069596**	100
AKZ 2.5 K	**069606**	100
AKZ 2.5 K	**069616**	100
AP (2.5)	**069726**	50
TW (1.5)	**031856**	20
Q 2	**036820**	50
Q 3	**036830**	50
Q 4	**036840**	50
Q 10	**036850**	20
StB 8.5	**021570**	50
PS 2.3	**018040**	20
FW 5	**047346**	500
FS 5	**047356**	500

AKZ 4 T

6/27/48.5	
1 x 1	
9 mm/M 3/3.5 x 0.6	
250 V/10 A/4 mm^2	
4 kV/3	
0.5…1.0	
2	
0.5…4	
1.5…4	
0.5…4	
0.5…4	
0.5…4	
A3	
20	
20	
300 V/10 A/26…14 AWG	
300 V/10 A/24…12 AWG	

Type	Cat.No.	Qty.
AKZ 4 T	**044586**	100
AP (1.5)	**029446**	20
TW (1.5)	**034826**	50
TSch 4	**036336**	100
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
StB 8.5	**021570**	50
PS 2.3	**018040**	20
FW 6	**046866**	500
FS 6	**046876**	500

AKZ 4 T

6/27/50.5	
0.8 x 1.6	
9 mm/M 3/3.5 x 0.6	
250 V/10 A/4 mm^2	
4 kV/3	
0.5…1.0	
2	
0.5…4	
1.5…4	
0.5…4	
0.5…4	
0.5…4	
A3	
20	
20	
300 V/10 A/26…14 AWG	
300 V/10 A/24…12 AWG	

Type	Cat.No.	Qty.
AKZ 4 T	**034416**	100
AKZ 4 T	**034406**	100
AP (1.5)	**029446**	20
TW (1.5)	**034826**	50
TSch 4	**036336**	100
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	50
BS M 2.5 x 14	**026680**	100
StB 8.5	**021570**	50
PS 2.3	**018040**	20
FW 6	**046866**	500
FS 6	**046876**	500

AKZ 4 T

6/27/57.8	
0.8 x 2.4	
9 mm/M 3/3.5 x 0.6	
250 V/10 A/4 mm^2	
4 kV/3	
0.5…1.0	
2	
0.5…4	
1.5…4	
0.5…4	
0.5…4	
0.5…4	
A3	
20	
20	
300 V/10 A/26…14 AWG	
300 V/10 A/24…12 AWG	

Type	Cat.No.	Qty.
AKZ 4 T	**036646**	100
AKZ 4 T	**046166**	100
AP (1.5)	**029446**	20
TW (1.5)	**034826**	50
TSch 4	**036336**	100
Q 2	**033640**	50
Q 3	**033650**	50
Q 4	**033660**	50
Q 10	**036860**	20
VL 2	**044670**	50
VH 10	**044660**	50
BS M 2.5 x 14	**026680**	100
StB 8.5	**021570**	50
PS 2.3	**018040**	20
FW 6	**046866**	500
FS 6	**046876**	500

AKZ 4 ST

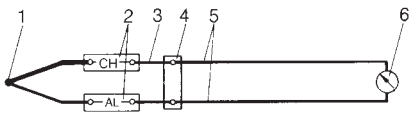
6/27/50.2	
0.8 x 1.6	
–	
250 V/10 A/2.5 mm^2	
4 kV/3	
20	
20	
–	
–	

Type	Cat.No.	Qty.
AKZ 4 ST	**043926**	100
AP (1.5)	**029446**	20
TW (1.5)	**034826**	50
Q 2	**036900**	50
Q 3	**036910**	50
Q 4	**036920**	50
Q 10	**036930**	20
StB 8.5	**021570**	50
PS 2.3	**018040**	20
FW 6	**046866**	500
FS 6	**046876**	500

Weidmüller thermocouple terminals are specially designed to transmit very small voltages in temperature measuring circuits. Special busbars ensure that no false signals are transmitted in the terminal when temperature differences between the positive and negative path exist. This high measuring precision is required, for example in test rigs and aircraft engines, complicated chemical processes, controllers, etc.

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Stacking width: 14 mm incl. end plate

Configuration of a temperature measuring circuit



1 Thermocouple (sensor)
2 Thermocouple terminals
3 Compensating conductor
4 Reference for junction
5 Supply conductors (to and from)
6 Measuring instrument

The thermocouple terminals shown in this measuring circuit thermoelectrically transmit thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature circuit.

Technical data

Thermocouple to IEC 584 (DIN 43 710)

Busbar
Constantan
Iron

Dimensions			
Width/length/height (mm)	With TS 15 ⊔	14/27/30	
Insulation stripping length/clamping screw/blade size		9 mm/M 3/3.5 x 0.6	
Rated data			
Rated voltage/current/cross-section		–/–/4 mm²	
Rated impulse voltage VDE 0110/1.89/pollution severity			
Further technical data			
Tightening torque range	Nm	0.5…1	
Tightening torque with DMS2 electric screwdriver		2	
Clampable conductors			
"e" solid H07V-U	mm²	0.5…4	
"m" stranded H07V-R	mm²	1.5…4	
"f" flexible H07V-K	mm²	0.5…4	
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…2.5	
"f" flexible H07V-K and AEH with plastic insul. collar	mm²	0.5…2.5	
Gauge pin to 947-1	Size	A 3	
Cont. current of cross-connection 2-pole	A		
Cont. current of cross-connection multi-pole	A		
UL/CSA rated data			
Voltage/current/conductor size	UL		
Voltage/current/conductor size	CSA		

Ordering data Version		⊔ TS 15	Cat.No.	Qty.
for thermocouples Type J	Fe – CuNi		**162701**	20
to IEC 584 Type T	Cu – CuNi		**On request**	
(DIN 43710) Type K	NiCr – Ni		**167713**	20
Type S u. RPT 10%	Pt Rh/PT 13% – Pt Rh		**On request**	
Type B	Pt 30% Rh – Pt 6% Rh		**On request**	
Type E	NiCr – CuNi		**On request**	

End plate/partition		Cat.No.	Qty.
AP (thickness 1.5 mm)	Polyamide	**029446**	20
TW (thickness 0.5 mm)	Polyamide	**034826**	50

Marking tags	**Print**			
1 2 3 4 5 6	Consecutive horizontal	FW 6	**046866**	500
	Consecutive vertical	FS 6	**046876**	500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Direct mounting Multi-pole and modular blocks

The following connection methods are featured in this range of terminals.

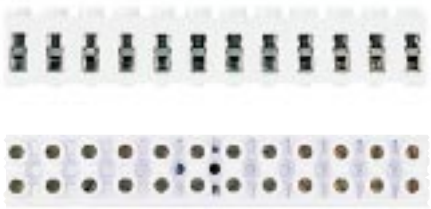
- Screw Clamp/Screw Clamp
- Screw Clamp/Solder tab
- Screw Clamp/Wire Wrap
- Screw Clamp/Termipoint

The various terminals listed in this section are manufactured from the following materials –
High grade Melamine
Polyamide 6.6
High grade PVC
High density Polyethylene
each range having certain individual characteristics.

Mounting the AKB terminals Block BB 1 at each end.

ASK 1 is for 5 x 20mm fuses, but can be fitted with a solid brass link for use as a neutral disconnect terminal.

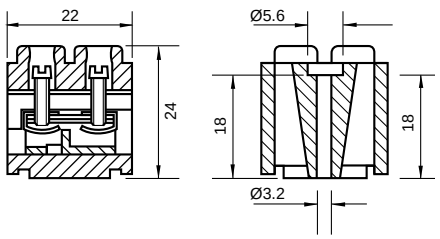
EKS 12/4
500V 32A



0.5-4	
0.5-4	
8	
	High grade PVC 70 °C

Type		Cat No.
EKS 2/4	2 way	**062450**
EKS 3/4	3 way	**062440**
EKS 4/4	4 way	**062430**
EKS 6/4	6 way	**062410**
EKS 8/4	8 way	**062390**
EKS 10/4	10 way	**062370**
EKS 12/4	12 way	**062350**

Other ways up to 12 available on request.
Distance between fixing hole 10.7mm centre to centre

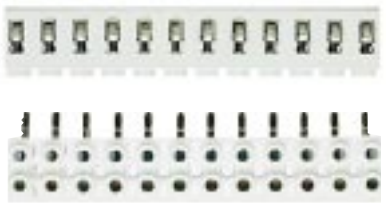


Type	Cat No.
BSTo 28/12/10-7	**019500**

	above	below
BSTb 28/12/10-7 (1-12)	**027840**	**019510**

PEN	**058040**

EKST 12/4
250V 20A

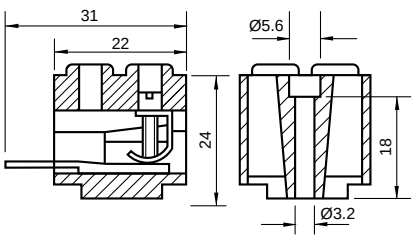


Four use as 'Plug-in' to EKS 12/4

0.5-4	
0.5-4	
8	
	High grade PVC 70 °C

Type		Cat No.
EKST 2/4	2 way	**062890**
EKST 3/4	3 way	**062880**
EKST 4/4	4 way	**062870**
EKST 6/4	6 way	**062850**
EKST 8/4	8 way	**062830**
EKST 10/4	10 way	**062810**
EKST 12/4	12 way	**062790**

Other ways up to 12 available on request.
Distance between fixing hole 10.7mm centre to centre



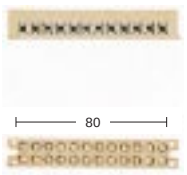
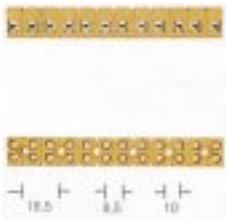
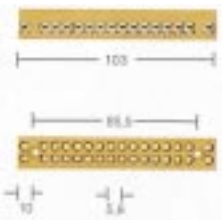
Type	Cat No.
BSTo 28/12/10-7	**019500**

	above	below
BSTb 28/12/10-7 (1-12)	**027840**	**019510**

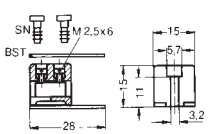
PEN	**058040**

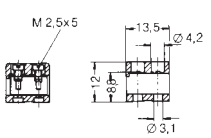
Additional accessories please see relevant Catalogue Section

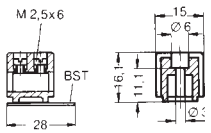
Multipole terminal blocks
Screw connection

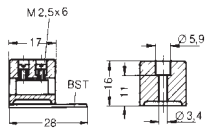
		MK 2/12	MK 10/14	MK 3/12	MK 4/16
					
Dimensions					
Width/length/height (mm)		86/15/15	88.5/13.5/12	110/15/16.1	103/17/16
Insulation stripping length/clamping screw/blade size		5 mm/M 2.5/3.5 x 0.6	6 mm/M 2.5/3.5 x 0.6	5 mm/M 2.5/3.5 x 0.6	5 mm/M 2.5/3.5 x 0.6
Rated data					
Rated voltage/current/cross-section		125 V/24 A/2.5 mm²	125 V/24 A/2.5 mm²	400 V/24 A/2.5 mm²	400 V/24 A/2.5 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity		2.5 kV/3	2.5 kV/3	6 kV/3	6 kV/3
Further technical data					
Tightening torque range	Nm	0.4…0.6	0.4…0.6	0.4…0.6	0.4…0.6
Tightening torque with DMS2 electric screwdriver		1	1	1	1
Clampable conductors					
„e“ solid H07V-U	mm²	0.5…4	0.5…4	0.5…4	0.5…4
„m“ stranded H07V-R	mm²	1.5…2.5	1.5…2.5	1.5…2.5	1.5…2.5
„f“ flexible H07V-K	mm²	0.5…2.5	0.5…2.5	0.5…2.5	0.5…2.5
„f“ flexible H07V-K and AEH DIN 46 228/1	mm²	0.5…1.5	0.5…1.5	0.5…1.5	0.5…1.5
„f“ flexible H07V-K and AEH with plastic insul. collar	mm²	0.5…1.5	0.5…1.5	0.5…1.5	0.5…1.5
Gauge pin to 947-1	Size	A 2	A 2	A 2	A 2
Cont. current of cross-connection 2-pole	A				
Cont. current of cross-connection multi-pole	A				
Rated data acc. UL/CSA					
Voltage/current/conductor size	UL	300 V/10 A/24…12 AWG	150 V/25 A/22…12 AWG	300 V/25 A/22…12 AWG	150 V/20 A/22…12 AWG
Voltage/current/conductor size	CSA	300 V/10 A/24…12 AWG	300 V/10 A/24…12 AWG	300 V/25 A/22…12 AWG	150 V/15 A/22…12 AWG

Ordering data	**Version**	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	2-pole							MK 3/2 Melamine	**027382**	100			
	3-pole												
	4-pole							MK 3/4 Melamine	**027402**	100			
	4-pole												
	6-pole							MK 3/6 Melamine	**027422**	100			
	6-pole												
	8-pole							MK 3/8 Melamine	**027442**	100			
	8-pole												
	10-pole							MK 3/10 Melamine	**027462**	50			
	12-pole	MK 2/12 PA	**024126**	50				MK 3/12 Melamine	**024352**	20			
	12-pole												
	14-pole				MK 10/14 PA	**037016**	20						
	16-pole										MK 4/16 KrG	**024422**	20









The MK 10/14 can be mounted using glue or with M 3 x 12 screws through the terminal point chamber.

Expansion rivet/insulating sleeve													
		MF 2/12	**024176**	50									
		SN	**020010**	500									
Marking strips													
	Printed	BSTb 10/12	**024570**	50				BSTb 11/12	**024590**	50	BSTb 13/16	**026220**	50
		Bottom						BSTb 11/8	**029020**	50	Bottom		
		BSTb 10/12	**027850**	50				BSTb 11/6	**029000**	50	BSTb 13/16	**027870**	50
		Top						BSTb 11/4	**028980**	50	Top		
	Unprinted	BSTo 10/12	**024560**	50				BSTo 11/12	**024580**	50	BSTo 13/16	**026210**	50
								BSTo 11/8	**028470**	50			
								BSTo 11/6	**028950**	50			
								BSTo 11/4	**028930**	50			

Multipole terminal blocks
Screw/tab connection

MK 5/2

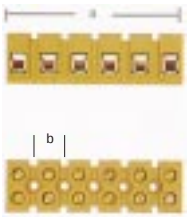
KS 2…10

KS 4 with D 4

BK 2…12

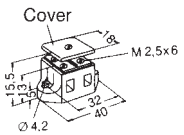
BK 3 with BSTb 9/3

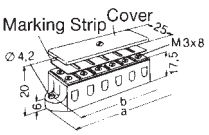
MK 6/2…6/6

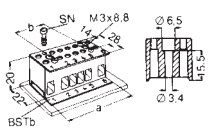


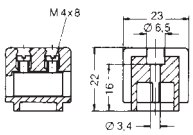
Dimensions					
Width/length/height (mm)		40/18/15.5	See table below	See table below	See table below
				–	–
Insulation stripping length/clamping screw/blade size		5 mm/M 2.5/3.5 x 0.6	8 mm/M 3/4.0 x 0.8	8 mm/M 3/4.0 x 0.8	9 mm/M 4/4.0 x 0.8
Rated data VDE 0611 Part 1/8.92/IEC 947-7-1					
Rated voltage/current/cross-section		500 V/24 A/2.5 mm^2	500 V/24 A/2.5 mm^2	400 V/32 A/4 mm^2	800 V/41 A/6 mm^2
Rated impulse voltage VDE 0110/1.89/pollution severity		6 kV/3	6 kV/3	6 kV/3	8 kV/3
Further technical data					
Tightening torque range	Nm	0.4…0.6	0.5…0.8	0.5…0.8	1.2…2.0
Tightening torque with DMS2 electric screwdriver		1	2	2	4
Clampable conductors					
„e" solid H07V-U	mm^2	0.5…4	0.5…4	0.5…4	0.5…6
„m" stranded H07V-R	mm^2	1.5…2.5	1.5…2.5	1.5…4	1.5…6
„f" flexible H07V-K	mm^2	0.5…2.5	0.5…2.5	0.5…4	0.5…6
„f" flexible H07V-K and AEH DIN 46 228/1	mm^2	0.5…1.5	0.5…1.5	0.5…4	0.5…4
„f" flexible H07V-K and AEH with plastic insul. collar	mm^2	0.5…1.5	0.5…1.5	0.5…4	0.5…4
Gauge pin to 947-1	Size	A 2	A 2	A 3	
Cont. current of cross-connection 2-pole	A				
Cont. current of cross-connection multi-pole	A				
UL/CSA rated data					
Voltage/current(conductor size	UL		300 V/20 A/22…12 AWG	300 V/10 A/22…12 AWG	300 V/30 A/22…10 AWG
Voltage/current(conductor size	CSA		300 V/25 A/24…12 AWG	300 V/10 A/22…12 AWG	300 V/40 A/22…10 AWG

Ordering data	**Version**	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
	2-pole	MK 5/2 KrG	**024382**	100	KS 2 KrG	**013442**	100	BK 2 KrG	**062472**	50	MK 6/2 KrG	**062042**	50
	3-pole							BK 3 KrG	**062492**	50	MK 6/3 KrG	**062032**	40
	4-pole				KS 4 KrG	**014032**	50	BK 4 KrG	**062512**	50	MK 6/4 KrG	**062022**	20
	4-pole												
	6-pole				KS 6 KrG	**014062**	50	BK 6 KrG	**062522**	50	MK 6/6 KrG	**062012**	20
	6-pole												
	8-pole												
	8-pole												
	10-pole				KS 10 KrG	**014162**	20						
	12-pole	Cover			Cover			BK 12 KrG	**062532**	50			
		D 2 (for MK 5/2)	**024406**	50	D 2 (for KS 2)	**013450**	50						
					D 4 (for KS 4)	**014050**	50						
					D 6 (for KS 6)	**014080**	50						
					D 10 (for KS 10)	**014180**	20						



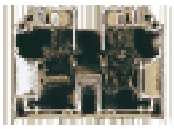
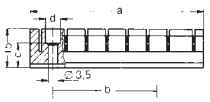
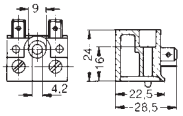
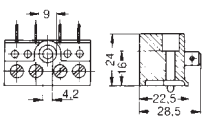
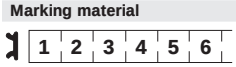






					Dimensions			Dimensions			Dimensions		
					Type	a	b	Type	a[1])	b	Type	a	b
					KS 2	42	32	BK 2	20	–	MK 6/2	23.5	
					KS 4	66	56	BK 3	31	11	MK 6/3	36.5	13
					KS 6	90	80	BK 4	38	18	MK 6/4	49.5	13
					KS 10	138	128	BK 6	52	32	MK 6/6	75.5	13
								BK 12	92	72.5			
Expansion rivet													
								SN	**020010**	500			
Marking strips													
	Printed				ELSb 2	**014320**	50	BSTb 9/2	**020360**	50	BSTb 17/6	**030460**	50
					ELSb 4	**014330**	50	BSTb 9/3	**020380**	50			
					ELSb 6	**014340**	50	BSTb 9/4	**019730**	50			
					ELSb 10	**014350**	50	BSTb 9/6	**019750**	50			
								BSTb 9/12	**019880**	50			
	Unprinted				ELSo 2	**014280**	50	BSTo 9/2	**020350**	50			
					ELSo 4	**014290**	50	BSTo 9/3	**020370**	50			
					ELSo 6	**014300**	50	BSTo 9/4	**019720**	50			
					ELSo 10	**014310**	50	BSTo 9/6	**019740**	50			
								BSTo 9/12	**019870**	50			

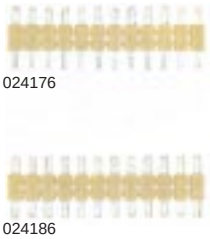
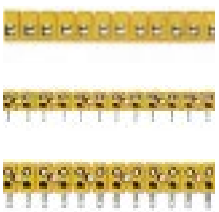
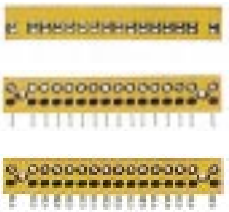
[1]) Projecting length = 1 mm. To be allowed for on the last terminal in a row.
Printed on top on request.

		MDM 10/1	MF 1/6...1/12	SLS 2/2
				SLS 2/4
Dimensions				
Width/length/height (mm)		10/45/34.5	See table below	See below
Insulation stripping length/clamping screw/blade size		12 mm/M 4/3.5 x 1.0	–	8 mm/M 3.5/4.0 x 0.8
Rated data VDE 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section		800 V/57 A/10 mm²	400 V/16 A/2.5/1 mm²	400 V/16 A/4 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity		8 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range	Nm	1.2…2.4		0.8…1.6
Tightening torque with DMS2 electric screwdriver		4		3
Clampable conductors				
"e" solid H07V-U	mm²	1.5…16	–	0.5…4
"m" stranded H07V-R	mm²	1.5…10		1.5…4
"f" flexible H07V-K	mm²	1.5…10		0.5…4
"f" flexible H07V-K and AEH DIN 46 228/1	mm²	1.5…10		0.5…4
"f" flexible H07V-K and AEH with plastic insul. collar	mm²	1.5…10		0.5…4
Gauge pin to 947-1	Size	B 6		A 2
Cont. current of cross-connection 2-pole	A	47		
Cont. current of cross-connection multi-pole	A	36		
Rated data acc. UL/CSA				
Voltage/current/conductor size	UL	600 V/65 A/22…6 AWG	300 V/10 A/24...12 AWG	
Voltage/current/conductor size	CSA	600 V/55 A/22…6 AWG	300 V/10 A/22…10 AWG	Screw/plug-in 6.3 x 0.8
Ordering data		Type / Cat.No. / Qty.	Type / Cat.No. / Qty.	Type / Cat.No. / Qty.
	PA	MDM 10/1 **912616** 50	MF 1/6 KrG[2] **047972** 100	SLS 2/2 KrG **021342** 100
		Direct assembly with MB left and MB right	MF 1/6 KrG[3] **048002** 100	
			MF 1/8 KrG[2] **047982** 50	SLS 2/4 KrG **024042** 50
			MF 1/8 KrG[3] **048012** 50	SLS 2/4 KrG **048032** 50
				Slotted
			MF 1/12 KrG[2] **047992** 50	
			MF 1/12 KrG[3] **048022** 50	
Fixing bracket/end plate/ (thickness mm)				
		MB left **912526** 20		
		MB right **912536** 20		
		BS M 4 x 20 **036280** 100		
		SS M 4 **013640** 100		
Small partition				
		TSch 1 **031916** 100		
Cross-connection				
Q 3		Q 2 **045710** 50		
		Q 3 **045720** 50		
		Q 4 **045730** 50		
		Q 10 **045740** 20	Dimensions	
Switchable cross-connection link			Type a b c d	
VL		VL 2 **013590** 50	MF 1/6 52 34 9.5 6.5	
BS		VH 19 **028510** 50	MF 1/8 68 50 9.5 6.5	
VH		BS M 3 x 25 **029250** 100	MF 1/12 $113^{+0.5}$ 102 8 7.5	
Test plug/socket/insulation sleeves				
PS StB IH		StB 14 **016990** 50	IH 2.8 **038606** 100	IH 2.8 **038606** 100
		PS 4 **029960** 20	IH 6.3 **038626** 100	IH 6.3 **038626** 100
			SN **020010** 500	
Cover/marking strips				
		AD 4 **017860** 50	BSTb 7/6 **024090** 50	BSTb 12/4 **024840** 50
		BSK M 3 x 22 **012890** 100	BSTb 7/8 **024110** 50	
			BSTb 7/12 **020950** 50	
			BSTo 7/6 **024080** 50	
			BSTo 7/8 **024100** 50	
			BSTo 7/12 **020940** 100	BSTo 12/4 **024830** 50
Marking material				
	Consecutive horizontal	FW 6 **046866** 500		
	Consecutive vertical	FS 6 **046876** 500		

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

[2]) Push-on tab=single
[3]) Push-on tab=double

Multipole terminal blocks
Screw, solder, tab connection

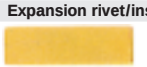
	MKL 2/12	MF 2/12	MKL 3/12	MKL 4/16
		 024176 024186		
Dimensions				
Width/length/height (mm)	88/23/15	75/6/24	110/23/16	103/24/16.5
Insulation stripping length/clamping screw/blade size	5 mm/M 2.5/3.5 x 0.6	5 mm	5mm/M 2.5/3.5 x 0.6	5mm/M 2.5/3.5 x 0.6
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	125 V/20 A/2.5/1.5/1 mm^2	63 V/17.5 A/1.5/1 mm^2	500 V*/20 A/2.5/1.5/1 mm^2	400 V/20 A/2.5/1.5/1 mm^2
Rated impulse voltage VDE 0110/1.89/pollution severity	2.5 kV/3	1.5 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.4…0.6		0.4…0.6	0.4…0.6
Tightening torque with DMS2 electric screwdriver	1		1	1
Clampable conductors				
“e” solid H07V-U mm^2	0.5…2.5		0.5…4	0.5…4
“m” stranded H07V-R mm^2	1.5…2.5		1.5…2.5	1.5…2.5
“f” flexible H07V-K mm^2	0.5…2.5		0.5…2.5	0.5…2.5
“f” flexible H07V-K and AEH DIN 46 228/1 mm^2	0.5…2.5		0.5…1.5	0.5…1.5
“f” flexible H07V-K and AEH with plastic insul. collar mm^2	0.5…2.5		0.5…1.5	0.5…1.5
Gauge pin to 947-1 Size	A 2		A 2	A 2
Cont. current of cross-connection 2-pole A				
Cont. current of cross-connection multi-pole A				
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/10 A/24…12 AWG		300 V/25 A/22…12 AWG	300 V/25 A/22…12 AWG
Voltage/current/conductor size CSA	300 V/10 A/24…12 AWG		300 V/25 A/22…12 AWG	150 V/15 A/22…12 AWG

Ordering data	**Version**	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
Horizontal	2-pole							MKL 3/2 KrG	**027492****	200			
Other pole numbers on request	4-pole							MKL 3/4 KrG	**027512****	100			
	6-pole							MKL 3/6 KrG	**027532****	100			
	12-pole	MKL 2/12 PA	**024136**	50				MKL 3/12 KrG	**024362****	20			
	16-pole										MKL 4/16 KrG	**026202**[1])	20
Vertical	2-pole							MKL 3/2 KrG	**027602***	200			
Other pole numbers on request	4-pole							MKL 3/4 KrG	**027622***	100			
	6-pole							MKL 3/6 KrG	**027642***	100			
	12-pole							MKL 3/12 KrG	**024992***	20			
	16-pole										MKL 4/16 KrG	**024432**	20
Solder push-on tab 2.8 x 0.8					MF 2/12 PA	**024186**	50						
Solder push-on tab/plug-in 0.8 x 1.6/2.8 x 0.8					MF 2/12 PA	**024176**	50						

We recommend the usage of insulating sleeves when using tab connections.

* Rated voltage will reduce to 250 V, when terminals are assembled directly next to each other.

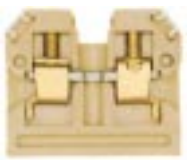
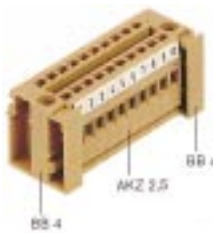
** Rated voltage 250 V. Rated voltage will reduce to 125 V, when terminals are assembled directly next to each other.

Expansion rivet/insulating sleeve													
		SN	**020010**	500									
					IH 2.8	**038606**	100						
Marking strips													
	Printed	BSTb 10/12	**024570**	50				BSTb 11/4	**028980**	50	BSTb 13/16	**026220**	50
		Bottom						BSTb 11/6	**029000**	50	Bottom		
		Top	**027850**	50				BSTb 11/12	**024590**	50	Top	**027870**	50
	Unprinted	BSTo 10/12	**024560**	50				BSTo 11/4	**028930**	50	BSTo 13/16	**026210**	50
								BSTo 11/6	**028950**	50			
								BSTo 11/12	**024580**	50			

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

[1]) Rated voltage 250 V

Multipole terminals
Screw, solder, tab connection
Modular design

	AKB 4	AKZ 2.5	AKZ 2.5 K	ASK 1
				
Dimensions				
Width/length/height (mm)	6/27/23	5/25.5/22.6	5/25.9/22.6	8/58/30.5
	–	–	–	–
Insulation stripping length/clamping screw/blade size	9 mm/M 3/3.5 x 0.6	7 mm/M 2.5/3 x 0.5	7 mm/M 2.5/3 x 0.5	9 mm/M 3/3.5 x 0.6
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	400 V/32 A/4 mm^2	250 V/24 A/2.5 mm^2	250 V/17.5 A/2.5 mm^2	500 V/6.3 A*/4 mm^2
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	4 kV/3	4 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.5…1.0	0.4…0.7	0.4…0.7	0.5…1.0
Tightening torque with DMS2 electric screwdriver	2	1	1	2
Clampable conductors				
“e” solid H07V-U mm^2	0.5…4	0.5…4	0.5…4	0.5…4
“m” stranded H07V-R mm^2	1.5…4	1.5…2.5	1.5…2.5	1.5…4
“f” flexible H07V-K mm^2	0.5…4	0.5…2.5	0.5…2.5	0.5…4
“f” flexible H07V-K and AEH DIN 46 228/1 mm^2	0.5…4	0.5…2.5	0.5…2.5	0.5…2.5
“f” flexible H07V-K and AEH with plastic insul. collar mm^2	0.5…4	0.5…2.5	0.5…2.5	0.5…2.5
Gauge pin to 947-1 Size	A3	A3	A3	A3
Cont. current of cross-connection 2-pole A	20	10	10	(QB 2…4) 10
Cont. current of cross-connection multi-pole A	20	10	10	
UL/CSA rated data				
Voltage/current/conductor size UL	300/250 V/27 A/22...12 AWG			
Voltage/current/conductor size CSA	300 V/10 A/22…12 AWG	300 V/10 A/26…10 AWG	300 V/10 A/26…10 AWG	300 V/6.3 A/26…12 AWG
Ordering data	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.	Type Cat.No. Qty.
Polyamide	AKB 4 PA **032156** 100	AKZ 2.5 **069716** 100	AKZ 2.5 K **069666** 100	ASK 1 PA **037696** 100
Blue Polyamide	**032158** 100	AKZ 2.5 **069718** 100		
	Direct assembly with BB 1	Direct assembly with BB 4	Direct assembly with BB 4	(for G fuse cartridges 5x 20 without indicator)
Fixing bracket/end plate (thickness mm)				
	BB 1 (7) **032056** 50	BB 4 (7.5) **069756** 50	BB 4 (7.5) **069756** 50	
	BS M 3 x 15 **035900** 100			
AP Polyamide		AP (2.5) **069736** 50	AP (2.5) **069726** 50	AP (1.5) **038036** 20
Blue Polyamide		AP (2.5) **069738** 50		
Partition (thickness mm)				
	TW PA (0.5) **034826** 50			
Small partition				
	TSch 4 **036336** 100			
Cross-connection				
Q 3	Q 2 **033640** 50	Q 2 **036820** 50	Q 2 **036820** 50	QB 2[1] **046110** 100
	Q 3 **033650** 50	Q 3 **036830** 50	Q 3 **036830** 50	QB 3[1] **046120** 30
	Q 4 **033660** 50	Q 4 **036840** 50	Q 4 **036840** 50	QB 4[1] **046130** 30
	Q 10 **036860** 20	Q 10 **036850** 20	Q 10 **036850** 20	
Switchable cross-connection link				
	VL 2 **044670** 50			
	VH 10 **044660** 50			
VL BS VH	BS M 2.5 x 14 **026680** 100			
Test plug/socket				
	StB 8.5 **021570** 50	StB 8.5 **021570** 50	StB 8.5 **021570** 50	
PS StB	PS 2.3 **018040** 20	PS 2.3 **018040** 20	PS 2.3 **018040** 20	
Insulating sleeve				
			IH 2.8 **038606** 100	
Cover/contact sleeve				
	AD 4 **030340** 50			
	BSK M 2.5x18 **030330** 100			Contact sleeve **055330** 100
Marking material				
1 2 3 4 5 6 Consecutive horizontal	FW 6 **046866** 500	FW 5 **047346** 500	FW 5 **047346** 500	FW 6.5 **046816** 500
	FS 6 **046876** 500	FS 5 **047356** 500	FS 5 **047356** 500	FS 6.5 **046826** 500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

* With contact sleeve 19 A

[1]) When using QB the connector diameter should be reduced to max. 2.5 mm^2

Feed-through chassis terminal
Solder connection
Tab connection
Spring clip connection to DIN 41 611 Part 4
Wrap connection to DIN/IEC 352 Part 1

	AKA 2.5	ADK 1	ADK 1 F ADK 3 F	ADK 1 S
Dimensions				
Width/length/height with pins (mm)	6/20/31	6/22/36.5	6/22/36.5	6/22/36.5
Length of solder lug/pin (mm)	7.8	8.4	8.5/7.5	8.4
Insulation stripping length/clamping screw/blade size	9 mm/M 2.5/3.5 x 0.6	9 mm/M 3.5/3.5 x 0.6	11 mm/M 2.5/3.5 x 0.6	–
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	400 V/20 A/2.5/1.5 mm²	400 V/16 A/4/1.5 mm²	400 V/20 A/2.5/1.5 mm²	400 V/16 A/2.5/1.5/1 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque range Nm	0.4…0.6	0.5…1.0	0.4…0.7	–
Tightening torque with DMS2 electric screwdriver	1	2	1	–
Clampable conductors				
"e" solid H07V-U mm²	0.5…2.5	0.5…4	0.5…2.5	–
"m" stranded H07V-R mm²	1.5…2.5	1.5…4	1.5…2.5	
"f" flexible H07V-K mm²	0.5…2.5	0.5…4	0.5…2.5	
"f" flexible H07V-K and AEH DIN 46 228/1 mm²	0.5…1.5	0.5…2.5	0.5…1.5	
"f" flexible H07V-K and AEH with plastic insul. collar mm²	0.5…1.5	0.5…2.5	0.5…1.5	–
Gauge pin to 947-1 Size	A2	A3	A2	–
Cont. current of cross-connection 2-pole A				
Cont. current of cross-connection multi-pole A	10	10	–	–
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/20 A/26…12 AWG	300 V/10 A/26…12 AWG	300 V/20 A/26…14 AWG	300 V/18 A/12 AWG max.
Voltage/current/conductor size CSA	300 V/10 A/24…12 AWG	300 V/15 A/26…12 AWG	300 V/15 A/22…14 AWG	300 V/3 A/–

Ordering data

Version F.sheet metal thickness mm	AKA 2.5 1.5 Cat.No.	Qty.	ADK 1 1.5 Cat.No.	Qty.	ADK 1 2.5 Cat.No.	Qty.	ADK 1 F / ADK 3 F 1.5 Cat.No.	Qty.	ADK 1 F / ADK 3 F 2.5 Cat.No.	Qty.	ADK 1 S 1.5 Cat.No.	Qty.	ADK 1 S 2.5 Cat.No.	Qty.
Polyamide			**030386**	100	**030106**	100	**047606**	100	**047866**	100				
Melamine	**030072**	100												
EP							**035990**	100						
Pin 0.6 x 0.6														
Pin 1.0 x 1.0														
Pin 0.8 x 1.6														
FS 1 x 6.3 slotted/0.8 x 2.8											**047616**	100	**047856**	100

End plate (thickness mm)

	AKA 2.5 Type	Cat.No.	Qty.	ADK 1 Type	Cat.No.	Qty.	ADK 1 F / ADK 3 F Type	Cat.No.	Qty.	ADK 1 S Type	Cat.No.	Qty.
Melamine	AP (3)	**016252**	100									
Polyamide				AP (3)	**047626**	50	AP (3)	**047626**	50	AP (3)	**047626**	50
EP							AP (3)	**036000**	20			

Spacer (thickness mm)

	AKA 2.5			ADK 1			ADK 1 F / ADK 3 F			ADK 1 S		
Melamine	ZP (1.5)	**024072**	50									
Melamine	ZP (2.5)	**028852**	20									

Small partition (thickness mm)

	AKA 2.5			ADK 1			ADK 1 F / ADK 3 F			ADK 1 S		
HP				TW (0.5)	**044230**	50	TW (0.5)	**044230**	50	TW (0.5)	**044230**	50

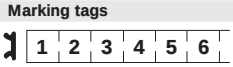
Test plug/socket

	AKA 2.5			ADK 1			ADK 1 F / ADK 3 F			ADK 1 S		
PS				PS 2.3	**018040**	20						

Fuse pin/insulating sleeves/expansion rivet

	AKA 2.5			ADK 1			ADK 1 F / ADK 3 F			ADK 1 S		
	SST 1.3	**030660**	–	SST 1.3	**030660**	–	SST 1.3	**030660**	–	SST 1.3	**030660**	–
				IH 2.8	**038606**	100	IH 2.8	**038606**	100	IH 2.8	**038606**	100
										IH 6.3	**038626**	100

Marking tags



Print	AKA 2.5			ADK 1			ADK 1 F / ADK 3 F			ADK 1 S		
Consecutive horizontal	FW 6	**046866**	500	FW 6	**046866**	500	FW 6	**046866**	500	FW 6	**046866**	500
Consecutive vertical	FS 6	**046876**	500	FS 6	**046876**	500	FS 6	**046876**	500	FS 6	**046876**	500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

Feed-through chassis terminal
Solder connection
Tab connection
Spring clip connection to DIN 41 611 Part 4
Wrap connection to DIN/IEC 352 Part 1

	ADK 3 W	ADK 1 T	AKZ 2.5 K	ADK 1 FT
Dimensions				
Width/length/height with pins (mm)	6/22/57.5	6/22/50.5	5/26/45.5	6/22/52
Length of solder lug/pin (mm)	8.4/21	19.5…21.9	22.4…23.6	24
Insulation stripping length/clamping screw/blade size	–	9 mm/M 3/3.5 x 0.6	7 mm/M 2.5/3.0 x 0.5	11 mm/M 2.5/3.5 x 0.6
VDE rated data 0611 Part 1/8.92/IEC 947-7-1				
Rated voltage/current/cross-section	250 V/8 A/1.5 mm^2	400 V/8 A/4 mm^2	250 V/8 A/2.5 mm^2	250 V/10 A/2.5 mm^2
Rated impulse voltage VDE 0110/1.89/pollution severity	4 kV/3	6 kV/3	4 kV/3	4 kV/3
Further technical data				
Tightening torque range Nm	–	0.5…1.0	0.4…0.7	0.4…0.7
Tightening torque with DMS2 electric screwdriver	–	2	1	1
Clampable conductors				
"e" solid H07V-U mm^2	–	0.5…4	0.5…2.5	0.5…2.5
"m" stranded H07V-R mm^2		1.5…4	1.5…2.5	1.5…2.5
"f" flexible H07V-K mm^2	–	0.5…4	0.5…2.5	0.5…2.5
"f" flexible H07V-K and AEH DIN 46 228/1 mm^2		0.5…2.5	0.5…2.5	0.5…1.5
"f" flexible H07V-K and AEH with plastic insul. collar mm^2	–	0.5…2.5	0.5…2.5	0.5…1.5
Gauge pin to 947-1 Size		A3	A2	A2
Cont. current of cross-connection 2-pole A				
Cont. current of cross-connection multi-pole A	–	10	10	–
UL/CSA rated data				
Voltage/current/conductor size UL	–	300/250 V/10 A/26...12 AWG	300/250 V/10 A/22...12 AWG	–
Voltage/current/conductor size CSA	300 V/15 A/–	300 V/15 A/26…12 AWG	300 V/10 A/26…10 AWG	300 V/3 A/22…14 AWG

Ordering data

Version F.sheet metal thickness mm	ADK 3 W 1.5 Qty.	ADK 1 T 1.5 Qty.	ADK 1 T 2.5 Qty.	AKZ 2.5 K 1.5 Cat.No. Qty.	ADK 1 FT 1.5 Qty.	ADK 1 FT 2.5 Qty.
Polyamide				Solder lug. **010916**		
Melamine						
EP						
Pin 0.6x0.6		**052146** 100	**051766** 100	**010886** 100		
Pin 1.0x1.0	**035980** 100	**037236** 100	**037226** 100	**010896** 100	**017696** 100	**017706** 100
Pin 0.8x1.6		**036636** 100	**036626** 100	**010906** 100		
FS 1x6.3 slotted/0.8x2.8						
12-pole Polyamide						

End plate (thickness mm)

	ADK 3 W Type	Cat.No.	Qty.	ADK 1 T Type	Cat.No.	Qty.	AKZ 2.5 K Type	Cat.No.	Qty.	ADK 1 FT Type	Cat.No.	Qty.
Melamine												
Polyamide				AP (3)	**047626**	50	AP (3)	**069726**	50	AP (3)	**047626**	50
EP	AP (3)	**036000**	20									

Spacer (thickness mm)

Melamine
Melamine

Small partition (thickness mm)

	ADK 3 W			ADK 1 T			AKZ 2.5 K			ADK 1 FT		
HP	TW (0.5)	**044230**	50	TW (0.5)	**044230**	50				TW (0.5)	**044230**	50

Test plug/socket

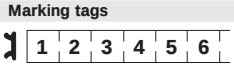
PS StB

	ADK 1 T			AKZ 2.5 K			ADK 1 FT		
PS 2.3	**018040**	20	PS 2.3	**018040**	20				
StB 8.5	**021570**	50							

Fuse pin/insulating sleeves/expansion rivet

	ADK 3 W			ADK 1 T			ADK 1 FT		
SST 1.3	**030660**	–	SST 1.3	**030660**	–	SST 1.3	**030660**	–	

Marking tags **Print**



	ADK 3 W			ADK 1 T			AKZ 2.5 K			ADK 1 FT		
Consecutive horizontal	FW 6	**046866**	500	FW 6	**046866**	500	FW 5	**047346**	500	FW 6	**046866**	500
Consecutive vertical	FS 6	**046876**	500	FS 6	**046876**	500	FS 5	**047356**	500	FS 6	**046876**	500

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section

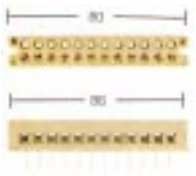
MKL 2/12

Feed-through chassis terminal strips
Plug boards

SP 10 FF
SP 10 LF

SP 60 FF
SP 60 LF

SP 90 FF
SP 90 LF



	Dimensions										
86/15/23	Width/length/height (mm)		42/46.5/170/28			40/45.5/162.5/110			40/45.5/228.5/110		
8	Hole spacing/Fixing dimensions	mm	147			151/90			217/90		
5	Insulation stripping length/clamping screw/blade size										
	VDE rated data 0611 Part 1/8.92/IEC 947-7-1										
63 V/20 A/2.5/1.5 mm²	Rated voltage/current/cross-section		400 V/16 A/2.5/1.5 mm²			400 V/16 A/2.5/1.5 mm²			380 V~/16 A/2.5/1.5 mm²		
1.5 kV/3	Rated impulse voltage VDE 0110/1.89/pollution severity		6 kV/3			6 kV/3			6 kV/3		
	Further technical data										
0.4…0.6	Tightening torque range	Nm									
1	Tightening torque with DMS2 electric screwdriver										
	Clampable conductors										
0.5…2.5	"e" solid H07V-U	mm²									
1.5…2.5	"m" stranded H07V-R	mm²									
0.5…2.5	"f" flexible H07V-K	mm²									
0.5…2.5	"f" flexible H07V-K and AEH DIN 46 228/1	mm²									
0.5…2.5	"f" flexible H07V-K and AEH with plastic insul. collar	mm²									
A2	Gauge pin to 947-1	Size									
	Cont. current of cross-connection 2-pole	A									
	Cont. current of cross-connection multi-pole	A									
	UL/CSA rated data										
300 V/10 A/24…12 AWG	Voltage/current/conductor size	UL	300/250 V/10 A/–			300/250 V/10 A/–			300/250 V/10 A/–		
300 V/10 A/24…12 AWG	Voltage/current/conductor size	CSA	–			–			–		
Cat.No. Qty.	**Ordering data**	Version	**SP 10 FF**	Qty.	**SP 10 LF** Qty.	**SP 60 FF**	Qty.	**SP 60 LF** Qty.	**SP 90 FF**	Qty.	**SP 90 LF** Qty.
	Pin 1.0 x 1.0	Polyamide									
		Polyamide									
	Pin 0.8 x 2.8 (push-on), unprinted	Polyamide									
	Pin 0.8 x 2.8 (push-on), printed, 1…32	Polyamide									
	Pin 0.8 x 2.8 (push-on), printed,1…32, blue	Polyamide									
	6 x plug-in per pole (6.3 x 0.8)	Melamine	**045622**	10		**034032**	1		**024812**	1	
	6 x plug-in per pole (6.3 x 0.8), blue	Melamine				**034037**	1		**024817**	1	
	6 x plug-in per pole (6.3 x 0.8), & 12 x 2.8 x 0.8 slotted	Melamine				**060902**	1		**060892**	1	
024146 50	6 x plug-in p.p.(6.3 x 0.8), & 12 x 2.8 x 0.8 slotted, blue	Melamine							**060897**	1	
	3 x plug-in/1 x solder per pole	Melamine			**048052** 10			**034372** 1			**024822** 1
	3 x plug-in/1 x solder per pole. blue	Melamine			**048057** 10			**034377** 1			**024827** 1
	3 x plug-in (6.3 x 0.8 and 6 x 2.8 x 0.8)/1 x solder	Melamine						**012452** 1			
	3 x plug-in (6.3 x 0.8 and 6 x 2.8 x 0.8)/1 x solder, blue	Melamine						**012457** 1			
	2 x direct assembly, 1 x Pin 0.8 x 1.6	Polyamide									
	Insulating sleeve		Type	Cat.No.	Qty.	Type	Cat.No.	Qty.	Type	Cat.No.	Qty.
			IH 2.8	**038606**	100	IH 2.8	**038606**	100	IH 2.8	**038606**	100
			IH 6.3	**038626**	100	IH 6.3	**038626**	100	IH 6.3	**038626**	100
SN **020010** 500											
	Marking tags	**Print**									
BSTb 10/12 **024570** 50	Dekafix	for group marking	FW 5	**047346**	500						
BSTo 10/12 **024560** 50											

Mounting rails, brackets, additional marking material and accessories please see relevant Catalogue Section